

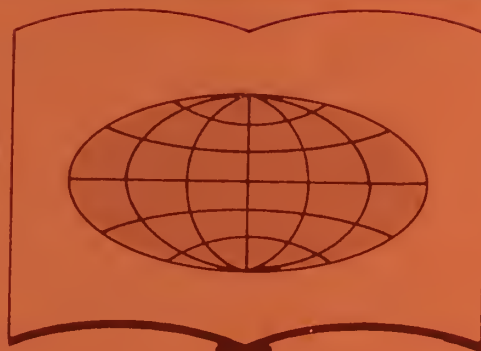
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PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4

July 19, 1968

Number 15

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- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

TABLE OF CONTENTS

| Items | Page |
|------------------------------------|------|
| BIBLIOGRAPHY (Citations) | |
| 10 ENTOMOLOGY | 1 |
| Systematics | 1 |
| Physiology and Biochemistry | 1 |
| Genetics | 9 |
| Medical Entomology | 9 |
| 20 CROP PROTECTION | 10 |
| Diseases | 10 |
| Arthropods | 21 |
| Nematodes | 23 |
| Weeds | 24 |
| Other Pests | 25 |
| 30 LIVESTOCK PROTECTION | 25 |
| Diseases | 26 |
| Arthropods | 35 |
| Parasites | 36 |
| 40 COMMODITY PROTECTION | 37 |
| Storage Diseases | 37 |
| Arthropods | * |
| Rodents and Other Pests | * |
| Microbial Contamination | 37 |
| 50 ENVIRONMENTAL CONTAMINATION | 38 |
| 55 RESIDUES | 39 |
| 60 TOXICOLOGY | 42 |
| 65 PLANT PHYSIOLOGY & BIOCHEMISTRY | 43 |
| 70 CHEMISTRY | 45 |
| 80 ENGINEERING | 47 |
| 90 INDUSTRY | 48 |
| Economics | 48 |
| Education | * |
| Regulations | 48 |
| SUBJECT INDEX | 49 |
| BIOGRAPHICAL INDEX | 113 |
| AUTHOR INDEX | 117 |
| ORGANIZATIONAL INDEX | 123 |

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HOUSE FLY TO TRICHLORFON.
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Insecticide resistant insects, Musca domestica,
Photoperiodism, Trichlorfon.
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B S Garcia H M Graham D F Martin
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Pectinophora gossypiella, Reproduction, Spermatophores.
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Light, Noctuidae, Pheromones, Sex attractants, Trichoplusia.
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OF THE PRODUCTION AND RELEASE OF PHEROMONE BY FEMALES OF
TRICHOPLUSIA NI (LEPIDOPTERA: NOCTUIDAE).
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THE EFFECTIVENESS OF FORMALIN IN CONTROLLING JAUNDICE (NUCLEAR POLYHEDROSIS) OF THE SILKWORM IN POLAND.
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Insect behavior, Insect nutrition, Trichoplusia.
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P K Harein B L Soles
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Alkaline phosphomonoesterase, Phormia.
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Acarapis, Apis mellifera, Mites, Parasitism.

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14907-6B

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Insect anatomy, Nervous system, Reproduction.

1490B-6B

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M C De Linero M

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Diptera, Insect taxonomy, Psychodidae.

Abstract

14909-6B

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English summary.

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S R Loschiavo

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Insect nutrition, Sucrose, Triolium.

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Galleria, Insect diseases, Pseudomonas aeruginosa.

14912-6B

THE INFLUENCE OF SPRAY PROGRAMS ON THE FAUNA OF APPLE ORCHARDS IN NOVA SCOTIA. XII. SECOND SUPPLEMENT TO VII. EFFECTS ON BENEFICIAL ARTHROPODS.

A W MacFhee K H Sanford

Can Entomol 93(8):671-673

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Apples, Beneficial insects, Insecticidal aerosols, Spraying.

14913-6B

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A Mayer C F Cohen

Entomol Soc Amer Ann 56(3):292-294, 10 REFS., 5 TABS.

May 1963 42D ENB2

Insect rearing, Photoperiodism, Pieris.

14914-6B

CHANGES IN HAEMOLYMPH LIPOPROTEINS DURING LOCUST FLIGHT.

R J Mayer D J Candy

Nature 215(5104), 9B7

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Acrididae, Blood, Cicadidae, Insect flight, Lipids, Proteins.

14915-6B

CHEMICALS TESTED AS SPACE REPELLENTS FOR YELLOW-FEVER MOSQUITOES. II. CARBANILATES, BENZAMIDES, ALIPHATIC AMIDES, AND IMIDES.

T P McGovern M Beroza H Gouck

J Econ Entomol 60(6):1591-1594

Dec 1967 421 JB22

Aedes aegypti, Carbanilates, Chemical control (insects), Chemicals, Imides, Insect repellents.

Abstract:

of 293 compounds tested, 4 carbanilates, 2 benzamides, and 1 acetamide gave more than 100 days of protection. n, N-Dipropyl 2-(p-methoxybenzyl) oxy)acetamide is the most effective space repellent against yellow-fever mosquitoes. it gave 266 days protection.

14916-6B

THE EFFECTS OF PHOTOPERIOD, TEMPERATURE, AND FOOD SUPPLY ON RATE OF DEVELOPMENT AND DIAPAUSE IN COCCINELLA NOVENNOTATA.

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Can Entomol 99(6):57B-5B6

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Aphididae, Coccinella, Insect morphology.

14917-6B

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I Medugorac M Lindauer

Z Vergleichende Physiol 55(4):45D-474, REF.

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Bees, Memory, Narcosis.

English summary.

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METABOLISM OF MALATHION IN DESERT LOCUST. I. ACTIVATION OF MALATHION INTO AN ANTICHOLINESTERASE.

K N Mehrotra S Lal

Indian J Entomol 29(1):44-47 REF

Mar 1967 420 IN23

Cholinesterases, Insect metabolism, Malathion, Schistocerca gregaria.

Abstract

14919-6B

INSECTICIDAL AND NATURALISTIC CONTROL CHIRONOMID LARVAE IN LAKE DALWIGK, VALLEJO, CALIFORNIA.

E G Mezger

Calif Mosquito Contr Ass Proc Pap 35:125-12B REF

1967 42B C763

Aquatic plants, Chemical control (insects), Chironomidae, Penthion, Fish, Insecticides, Malathion, Natural control (insects), Saline water.

Abstract:

application of malathion and fenthion granules for midge suppression gave effective control. when malathion was used considerable mortality was observed on mosquito fish notonectids, corixids and mosquito fish. no appreciable mortality was observed on the fish populations when fenthion was used. carp were very efficient in suppressing midge larvae.

14920-6B

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D W Micks

J Econ Entomol 53(5):915-91B, 2 REFS.

Oct 1960 421 JB22

Aedes aegypti, Anopheles, Culex, DDT, Insecticide resistant insects.

14921-6B

SIMPLE SCREENING TEST FOR SYSTEMIC APHICIDES.

T E Mittler J T Pennell

J Sci Food Agr 15(10):11B7-B

Oct 1964 3B2 S012

Aphididae, Biological assay, Insecticides, Toxicology.

14922-6B

STEROL STORAGE AND REPRODUCTION IN THE HOUSE FLY.

R E Monroe J N Kaplanis W E Robbins

Entomol Soc Amer Ann 54(4):537-539

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Insect physiology, Musca domestica, Reproduction, Sterols.

14923-6B

THE FATE OF DIETARY H3-RETA-SITOSTEROL IN THE ADULT HOUSE FLY.

R E Monroe W E Robbins S J Louloudes

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Mar 1963 420 ENB2

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J Moore G A Wistreich
J Invertebrate Pathol 3(4):399-402
Dec 1961 421 J826
Corynebacterium, Gastrointestinal system, *Streptococcus*,
Tenebrio obscurus.
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TEGMAL AMPLIFIERS AND SPECTRUM CONSISTENCIES IN
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J Insect Physiol 13(7):1075-1085
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X-IRRADIATION OF PUPAE OF THE HOUSEFLY, *MUSCA DOMESTICA*
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Insect biology, Larvae, Panorpa.
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(LECONTE) AND OTHER HARK REETLES.
W E Nickle
J Invertebrate Pathol 5(3):386-389
Sep 1963 421 J826
Ips, Nematodes, Scolytidae.
- 14929-68
ESTERASES OF CRYSTALLIFEROUS BACTERIA PATROGENIC FOR
INSECTS: EPIZOOTIOLOGICAL APPLICATIONS.
J R Norris H D Burges
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Bacteria, Biological control (insects), Esterases,
Lepidoptera.
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Apholate, Insect eggs, *Musca domestica*, Nucleic acids.
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Acheta, Anesthesia, Carbon dioxide, Gryllidae.
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Periplaneta americana.
Abstract
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W L Putman
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Embryology, Glycogen, Insect morphology, Tenebrio.
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NOTE: ELIMINATION OF MICROSPORIDIOSIS IN LABORATORY-REARED
EOKOPEAN CORN BORERS BY THE USE OF REAT.
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Biological control (insects), Reat, Insect eggs, Parasitism,
Pyrausta nubilalis.
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J Invertebrate Pathol 5(1):66-71
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THE EFFECT OF CIRCADIAN RHYTHM ON THE DEVELOPMENT OF DRO-
SOPHILA. (GE)
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J Insect Physiol 13(10):1547-1568
Oct 1967 421 J825
Benzamide, Diurnal rhythm, Drosophila, Insect eggs,
Insect morphology, Larvae.
Abstract
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THE SURMAGINAL CUTICLE OF THE MAYFLY CALLIBAETIS SP.
(EPHEMEROPTERA).
A G Richards
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Jul 1963 420 ENR2
Callibaetis, Ephemeroptera, Metamorphosis.
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SOME PROBLEMS ASSOCIATED WITH WEIGHING APHIDS THAT HAVE FED
AFTER STARVING, AS A METHOD OF MEASURING INTAKE OF PLANT
SAP.
A G Robinson
Can Entomol 93(2):156-160, BIEL. 160
Feb 1961 421 C16
Feeding, Insect nutrition, Sap, Starvation.
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A TERGAL ABNORMALITY IN THE GERMAN COCKROACH, BLATTELLA
GERMANICA (L.).
M H Ross D G Cochran
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Blattella germanica, Insect abnormalities.

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DESCRIPTIONS OF LARVAL AND PUPAL STAGES OF FOUR LEPIDOPTER-
GUS RICE BUGHES IN MALAYSIAN BORNEO (SARAWAK).
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Chilo suppressalis, Rice, Sesamia inferens,
Tryporyza incertulas.
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SEXING OF MEXICAN FRUIT FLIES.
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J Econ Entomol 60(6):1759-1760
Dec 1967 421 J822
Anastrepha ludens, Insect control, Sex determination.
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NEMATODE PARASITES AND ASSOCIATES OF THE SMALLER EUROPEAN
ELM BARK BEETLE, SCOLYTUS MULTISTRIATUS (MARSHAM).
J L Saunders D M Norris Jr
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Insect rearing, Nematodes, Parasitism, Scolytus.
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AEROSOLS.
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J Econ Entomol 53(5):908-914, 19 REFS., 6 TABS.
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Allethrin, DDT, Insecticidal aerosols, Musca domestica,
Particle size determination, Pyrethrum.
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TRANSMISSION OF VIRUS Y BY INSTARS OF MYZUS PERSICAE
(HOMOPTERA: AFIDAE).
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CULRUS FED MITES.
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Dec 1967 421 J822
Amblyseius hibisci, Amblyseius limonicus, Insect mortality,
Panonychus citri, Predaceous insects,
Virus diseases (insects).
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A COMPARISON OF THE DEVELOPMENTAL RATES OF ONE- AND TWO-YEAR
CYCLE SPRUCE BUDWORM.
R F Shepherd
Can Entomol 93(9):764-771
Sep 1961 421 C16
Insect adaptation, Insect genetics, Insect morphology,
Insect temperature, Natural control (insects), Picea.
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NOTES: EFFECT OF CERTAIN CARCINOGENIC 2-FLUORENAMINE
DERIVATIVES ON LARVAE OF THE HOUSE FLY, MUSCA DOMESTICA
LINNAEUS.
T J Shortino G E Cantwell W E Robbins
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Dec 1963 421 J826
Fluorenamine, Larvae, Musca domestica.
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PIGMENT-PRODUCING VARIANTS OF BACILLUS THURINGIENSIS BER-
LINER FROM THE SILKWORM.
O I Shvetsova E R Zurahova
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Pigmentation, Tutovyi-3.
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Tetradecadienoic acid, trans-3,cis-5-.
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OBSERVATIONS ON ODIOPORUS LONGICOLLIS (COLEOPTERA, CUR-
CULIONIDAE) IN KATHMANDU VALLEY AND ITS SUBURBS.
S S Singh
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Insect biology, Musa paradisica, Odioporus longicollis.
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ADAPTION OF A NUCLEAR-POLYHEDROSIS VIRUS OF TRICHIOCAMPUS
VIMINALIS (FALLEN) TO LARVAE OF TRICHIOCAMPUS IRREGULARIS
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W A Smirnoff
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Mar 1963 421 J826
Cimicidae, Polyhedroses, Trichiocampns irregularis.
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SPECIES AND VARIETIES OF BACILLUS CEREBUS GROUP.
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Inclusion bodies, Urea.
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SOUND PRODUCTION BY THE CEREAL LEAF BEETLE.
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INHIBITION OF METAMORPHOSIS AND OF ECDYSIS IN MOSQUITOES.
A Spielman V Skaff
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Culicidae, DFA, Farnesoic acid, Metamorphosis,
Molting (insects).
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A BIOASSAY TECHNIQUE FOR DETERMINING THE INSECTICIDAL
ACTIVITY OF PREPARATIONS CONTAINING BACILLUS THURINGIENSIS
BERLINER.
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J Invertebrate Pathol 3(4):391-398, 11 REFS.
Dec 1961 421 J826
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Biological control (insects), Musca domestica, Pieris rapae,
Plutella maculipennis.
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EDITORIAL: A CALL TO INVERTEBRATE PATHOLOGISTS.
E A Steinhaus
J Invertebrate Pathol 3(1):I-III
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EXPOSURE OF HOUSE FLIES AND ORIENTAL RAT FLEAS ON A HIGH-
ALTITUDE BALLOON FLIGHT.
W N Sullivan C N Smith
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Apr 1960 421 J822
Cosmic rays, Insect biology, Insects, Musca domestica,
Radiation, Temperature.
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(BERG).
M Tamashiro S S Huang
J Invertebrate Pathol 5(3):397-399
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THE ARMYWORM, PSEUDALETIA NIPUNCTA (HAWORTH).
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J Invertebrate Pathol 3(3):310-323, 18 REFS.
Sep 1961 421 J826
Epizootic diseases, Granuloses, Insect diseases,
Pseudaletia nipuncta, Virus diseases (insects).
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PARASITISM OF SIREX NOCTILIO F BY SCHLETTERERIDS
CINCTIPES (CRESSON) (HYMENOPTERA: STEPHANIDAE).
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Entomol Soc Queensland J 6(1):13-19
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Insect biology, Parasitic insects, Pinus radiata,
Rhyssa persuasoria, Sirex noctilio.

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QUANTITATIVE STUDIES ON PURINE EXCRETION IN THE GREATER WAX MOTH, *GALLERIA MELLOWELLA*.
K K Thomas
Entomol Soc Amer Ann 58(6):883-885, 17 REFS.
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Galleria, Insect physiology, Nitrogen, Purines.
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RELATIVE SUSCEPTIBILITY OF SALT-MARSH MOSQUITOES FROM GEORGIA AND FLORIDA TO INSECTICIDES.
D E Weidhaas R R Ford
Fla Entomol 42(3):109-111, 4 REFS., 2 TABS.
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Benzene hexachloride, *Culicidae*, Ddt, Georgia, Insecticide resistant insects, Florida.
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FAILURE TO ISOLATE MICROORGANISMS FROM WITHIN MOSQUITO EGGS.
G A Wistreich J Moore
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Jul 1963 420 EN82
Culicidae, Culture media, Insect eggs.
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SOME OBSERVATIONS ON THE FINE STRUCTURE OF THE MIDGUT OF THE MITE *ANYSTIS* SP.
K A Wright I M Newell
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Anystis, Insect physiology.
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DEVELOPMENT OF DDT RESISTANCE IN CERTAIN MAYFLIES IN NEW BRUNSWICK.
C D Grant A W A Brown
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Canada, Ddt, Ephemeroptera, Insecticide resistant insects.
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American foulbrood, Insect mating.
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SPERM DEPLETION IN CHEMOSTERILIZED AND NORMAL MALES OF THE YELLOW FEVER MOSQUITO, *Aedes Aegypti*.
V P Sharma K S Rai
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Aedes aegypti, Reproduction, Spermatozoa.
- Calif Mosquito Contr Ass Proc Pap 35:106
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Aedes taeniorhynchus, Attractants, Insect cages, Insect flight.
- 14975-68
MOSQUITO CONTROL ACTIVITIES OF THE U.S. ARMED FORCES IN THE REPUBLIC OF VIETNAM.
B T Holway A W Morrill F J Santana
Calif Mosquito Contr Ass Proc Pap 35:23-29
1967 428 C763
Armed forces, *Culicidae*, Insect control, Insect repellents, Insect vectors, Malaria.
- 14976-68
LABORATORY OBSERVATIONS OF AEDINE MOSQUITO OVIPOSITION (*DIPHTERA*, *COLICIDAE*, *AEDES*).
K L Knight D Sulzbach
Calif Mosquito Contr Ass Proc Pap 35:100-103 REF
1967 428 C763
Aedes, *Culicidae*, Insect behavior, Ovipositors.
- 14977-68
SOIL TREATMENTS WITH INSECTICIDES FOR CONTROL OF THE EYE GNATS *HIPPELATES COLLOSOR* AND *H. HERMSI*.
M S Mulla M M Barnes M J Garber
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Jun 1960 421 J822
Aldrin, DDT, Heptachlor, *Hippelates*, Insecticides.
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EFFICIENCY OF GRANULATED INSECTICIDES INFLUENCED BY SOLVENTS USED FOR IMPREGNATION.
M S Mulla H Axelrod
J Econ Entomol 53(5):938-949, 13 REFS., 10 FIGS.
Oct 1960 421 J822
Aquatic insects, Benzene hexachloride, *Culicidae*, EPN, Parathion.
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BIOLOGICAL ACTIVITY OF SURFACTANTS AND SOME CHEMICAL INTERMEDIATES AGAINST PRE-IMAGINAL MOSQUITOES.
M S Mulla
Calif Mosquito Contr Ass Proc Pap 35:111-117
1967 428 C763
Aedes nigromaculis, Biological assay, *Culex pipiens quinquefasciatus*, Detergents, Insecticide resistant insects, Larvicides, Surface-active agents, Toxicity.
- 14980-68
PANEL: OPPOSING PHILOSOPHIES IN MOSQUITO CONTROL TECHNOLOGY: EMPHASIS ON CONTROL OF ADULT MOSQUITOES IN FLORIDA.
J A Mulrennan A J Rogers
Calif Mosquito Contr Ass Proc Pap 35:29-31
1967 428 C763
Aedes, *Culicidae*, Insect control, Larvicides, *Psorophora ferox*, Florida.
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INFESTATION OF THE IMPORTED FIRE ANT, *SOLENOPTIS SAEVISSIMA* V. RICHTERI, AT FORT BENNING, GEORGIA.
A T Olive
J Econ Entomol 53(4):646-648
Aug 1960 421 J822
Chemical control (insects), Georgia, Heptachlor, *Solenopsis*.
- 14982-68
A PRELIMINARY REPORT ON A POTENTIAL NEW MOSQUITO CONTROL WEAPON.
G M Stokes
Calif Mosquito Contr Ass Proc Pap 35:122
1967 428 C763
Ammonia, *Culicidae*, Diesel fuels, Insect control, Insecticides, Reports.
Abstract:
the United States' solution to laying down a smokescreen for the protection of naval vessels was to heat diesel fuel to a high temperature. the Argentine Navy's answer to the production of a smokescreen was to combine $SiCl_4$ and ammonia water forming a very dense and heavy fog.
- 14983-68
ST. LOUIS ENCEPHALITIS VECTOR STUDIES IN HOUSTON, TEXAS.
W D Sudia P H Coleman R W Chamberlain J S Wiseman T H Woke
J Med Entomol 4(1):32-36, REF.
25 Apr 1967 421 J828
Anopheles quadrimaculatus, Arboviruses, California encephalitis virus, *Culex pipiens quinquefasciatus*, *Culicidae*, Human diseases, Saint Louis encephalitis.
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CROSS-TOLERANCE OF CALIFORNIA *Aedes nigromaculis* (LUDLOW) LARVAE TO EPN, AETATE, AND DURSBAH. (ABSTRACT).
P A Gillies D J Womeldorf K E White
Calif Mosquito Contr Ass Proc Pap 35:111
1967 428 C763
Aedes nigromaculis, Chemical control (insects), Dursban, EPN, Insecticide resistant insects.
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NEW METHODS OF INTRODUCING VISUAL AND AUDITORY CUES. (ABSTRACT).
J S Haeger

Genetics

Medical Entomology

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14984-68

THE EFFECTIVENESS OF LIQUEFIED-GAS-PROPELLED CONCENTRATED ALLETHRIN AEROSOLS AND AIR-ATOMIZED DIBROM AEROSOLS AGAINST NORMAL AND RESISTANT HOUSE FLIES.
W N Sullivan A H Yeomans M S Schecter
J Econ Entomol 53(5) '956, 1 REF., 1 Tab.
Oct 1960 421 JR22
Aerosols, Allethrin, Musca domestica, Naled.

14985-68

SOURCE REDUCTION THROUGH WATER MANAGEMENT.
D J Sutherland D M Jobbins L E Hagmann
Calif Mosquito Contr Ass Proc Pap 35:31-33
1967 428 C763
Culicidae, Insect control, Water.

14986-68

THE INFLUENCE OF SUBLETHAL DOSAGES OF INSECTICIDES ON THE BASAL FOLLICLES OF AEDES AEGYPTI (L.). (ABSTRACT).
D J Sutherland P D Beame A F Gupta
Calif Mosquito Contr Ass Proc Pap 35:110-111
1967 428 C763
Aedes aegypti, Ddt, Dieldrin, Insect mortality, Insect rearing, Malathion.
Abstract:
it appears highly probable that at least some insecticides, while controlling mosquito populations, induce survivors to rebuild populations more rapidly than expected.

14987-68

EVALUATION OF THERMAL AND NONTHERMAL FOGS AGAINST FOUR SPECIES OF MOSQUITOES. (ABSTRACT).
R T Taylor H F Schoof
Calif Mosquito Contr Ass Proc Pap 35:109
1967 428 C763
Aedes aegypti, Aedes taeniorhynchus, Anopheles albimanus, Dursban, Malathion.

14988-68

PRELIMINARY REPORT ON THE FEEDING PATTERN OF TWO SPECIES OF FISH IN A RICE FIELD HABITAT.
R K Washino Y Hokama
Calif Mosquito Contr Ass Proc Pap 35:84-87
1967 428 C763
Culicidae, Fish, Gambusia, Habitats, Predatory animals, Rice. Includes Gambusia affinis and Cyprinus carpio predatory activity on mosquito larvae.

20 CROP PROTECTION

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MAMMALIAN DETOXIFICATION OF INSECTICIDES.
A A deYakimac B A Akin
Agr Chem 19(9) '42, 167, 3 TABS.
Sep 1964 381 AG8
Bayer 25141, Mice, Parathion, Pesticides, Poisoning.

14990-68

COLONIZATION OF SHORLEAF PINE STUMPS.
F H Berry
Agr Chem 20(9) '117
Sep 1965 381 AG8
Ammonium fluoride, Ammonium sulfamate, Borateen, Borax, Conifers, Fungi, Urea.

14991-68

SEVERAL INSECTS CAUSE CONCERN.
K Dorward
Agr Chem 20(9) '67, 172-174
Sep 1965 381 AG8
Anthonomus grandis, Diabrotica, Fleahoppers, Mites, Pest control.

14992-68

UPTAKE OF RADIOACTIVE ETHYL NN-DI-N-PROPYLTHIOCARBAMATE (EPTC-35 S) AND TRANSLOCATION OF SDLPUR-35 IN VARIOUS CROPS.
S C Fang P Theisen
J Sci Food Agr 12(2) 'I-74-5
Feb 1961 382 S012
EPTC, Ethyl NN-di-n-propylthiocarbamate, Radioactive tracers, Sulfur isotopes, Vegetables.

14993-68

POPULATION ECOLOGY AND PEST CONTROL.
P W Geier
J Sci Food Agr 15(11) 'II-238-1
Nov 1964 382 S012
Ecology, Pest control.

Diseases

14994-68

A NEW STRAIN OF SDGARCANE MOSAIC VIRDS.
E V Abbott
Phytopathology 51(9):642
Sep 1961 464.R P56
Mosaic (sugarcane).

14995-68

STEROID ALKALOIDS IN THE DISEASE RESISTANCE OF WHITE POTATO TUBERS.
E H Allen J Kuc
Phytopathology 54(8):R86
Aug 1964 464.8 P56
Alkaloids, Chemical control (plant diseases), Potatoes, Steroids.

14996-68

TRISTEZA VIRUS IN ARIZONA CITRUS.
R M Allen H H McDonald W R Oden
Phytopathology 54(12):1431
Dec 1964 464.H P56
Arizona, Arizona, Citrus, Tristeza (citrus).

14997-68

VARIABILITY OF SEEDLING CLONES OF CITRUS AS INDICATORS OF EXOCORTIS VIRUS OF CITRUS.
R M Allen W R Oden
Phytopathology 54(12):1431
Dec 1964 464.8 P56

- Citron, Indicator plants, Seedlings.
- 14998-68
DBY BCO1 BOT OF CITBUS INDUCED BY AMMONIA EXCESSES.
B M Allen
Phytopathology 52(8):721
Aug 1962 464.8 P56
Ammonia, Citrus, Root rot (citrus).
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IMMUNE RESPONSE TO A PLANT VIRUS BOUND ON SEROLOGICALLY PRECIPITATED IN AGAR.
W B Allen J H Tremaine
Phytopathology 52(8):721
Aug 1962 464.8 P56
Agar, Immunity, Ringspot (carnation).
- 15000-68
THE EFFECT OF CHLORINATED C3 HYDROCARBONS ON GROWTH AND AMINO ACID PRODUCTION OF INDIGENOUS SOIL BACTERIA.
J Altman S Lawlor
Phytopathology 54(8):886
Aug 1964 464.8 P56
Amino acids, Plant regulators, Soil bacteria.
- 15001-68
STUDIES ON A VIRUS CAUSING STEM GROWING AND GRAFT-UNION ABNORMALITIES IN VIRGINIA CRAB APPLE.
O Amaro de Sequeira
Ann Appl Biol 60(1):59-66, BEP.
Aug 1967 442.8 AN72
Apples, Plant abnormalities.
- 15002-68
METHODS OF MECHANICAL TRANSMISSION OF BEAN YELLOW MOSAIC VIRUS INTO WHITE CLOVER.
L P Anderson J E Halpin
Phytopathology 51(9):642
Sep 1961 464.8 P56
Plant disease transmission, White clover, Yellow mosaic (beans).
- 15003-68
CONTROL OF TOBACCO FLECK BY DUSTING WITH ZINEB.
P J Anderson
Phytopathology 51(8):574
Aug 1961 464.8 P56
Tobacco, Zineb.
- 15004-68
EFFECT OF DUTCH ELN DISEASE ON SEEDLING ELMS.
T Arisumi D J Biggins
Phytopathology 51(12):847-850
Dec 1961 464.8 P56
Dieback (elm), Elm.
- 15005-68
SOME CLOVERS SUSCEPTIBLE TO THE CASSIA, COTTON, AND OTHER WILT FUSARIA.
G M Armstrong J K Armstrong
Phytopathology 51(9):642
Sep 1961 464.8 P56
Clover, Cotton.
- 15006-68
PATHOGENICITY OF ISOLATES OF THE BEAN WILT FUSARIUM FROM ENGLAND AND THE UNITED STATES.
G M Armstrong J K Armstrong
Plant Dis Rep 48(11):846-847
15 Nov 1964 1.9 P69P
Beans, England, Fusarium, United States.
- 15007-68
CROWN AND ROOT BOTS OF ALFALFA AND RED CLOVER AND THE RELATIVE PREVALENCE OF ASSOCIATED FUNGI.
C Auhe J Deschenes
Plant Dis Rep 51(7):573-577
Jul 1967 1.9 P69P
Alfalfa, Crown rot, Red clover, Root rot.
- 15008-68
PRINCIPAL DISEASES AFFECTING PINUS BADIATA IN CHILE.
S H Autter
Pao Plant Protect Bull 15(1):17-18
Feb 1967 421 P692
Pinus radiata, Tree diseases.
- 15009-68
SEROLOGY OF THE POTATO SPINDLE TUBER VIRUS.
B H Bagnall
Phytopathology 57(5):533-534
May 1967 464.8 P56
Potatoes, Serological tests, Spindle tuber (potatoes).
- 15010-68
CROSS-INOCULATION STUDIES WITH FOUR SPECIES OF ANTHRACNOSE FUNGI.
J F Baniecki D F Crossan
Phytopathology 53(7):745
Jul 1963 464.8 P56
Anthracnose (apples), Anthracnose (piper nigrum), Anthracnose (tomatoes).
- 15011-68
COMPARISON OF ASTER YELLOWS AND BARLEY DWARF VIRUSES IN TWO BARLEY VARIETIES.
E E Bantari
Phytopathology 54(8):887
Aug 1964 464.8 P56
Aster yellows (barley), Barley.
- 15012-68
AN EVALUATION OF CERTAIN FUNGICIDE - ADJUVANT COMBINATIONS FOR CONTROL OF PECAN SCAB.
G L Barnes
46(4):236-239, TABS
15 Apr 1962
Fungicides, Scab (pecan).
- 15013-68
ORGANIC FUNGICIDES FOR CONTROL OF PECAN SCAB.
G L Barnes
Agr Chem 17(11):121
Nov 1962 381 AG8
Dyrene, Scab (pecans), Zineb.
- 15014-68
EFFECTS OF PLANT-BED APPLICATIONS OF 2,6-DICHLORO-4-NITROANILINE ON CONTROL OF SCLEROTIAL BLIGHT AND ON PLANT PRODUCTION IN SWEET POTATOES.
J B Barry W J Martin
Plant Dis Rep 51(3):191-194
Mar 1967 1.9 P69P
Crop varieties, Dichloro-4-nitroaniline, 2,6-, Dosage, Fungicides, Sclerotium rolfsii, Sweetpotatoes.
- 15015-68
OCCURRENCE AND AMOUNT OF STEM CAVITY BUSSET ON GOLDEN DELICIOUS APPLES.
E C Blodgett
Plant Dis Rep 51(4):302-306
Apr 1967 1.9 P69P
Apples, Stem end russet (apples).
- 15016-68
STORAGE AND GERMINATION OF CUTTINGS AND SOIL MICROORGANISMS AS THEY RELATE TO THE PINEAPPLE DISEASE OF SUGAR CANE.
A W Boyd
Diss Abstr Sect B 27(11):03743B-3744B
May 1967 Z5055.U49D53
Endoconidiophora paradoxa, Pineapple disease (sugarcane), Rhizoctonia, Soil microorganisms, Sugarcane.
- 15017-68
THE RIBONUCLEIC ACIDS OF LEAVES AND PODS OF PEAS INFECTED WITH PEA ENATION MOSAIC VIRUS.
B P Bozarth L H Weinstein
Phytopathology 54(7):746
Jul 1964 464.8 P56
Enation mosaic (peas), Peas, Phytopathology, Virus diseases (plants).
- 15018-68
PATHOGEN VARIABILITY AND BREEDING VERMICILLIUM WILT RESISTANT STRAWBERRIES.
B S Bringham S Wilhelm V Voth
Phytopathology 51(11):786-794
Nov 1961 464.8 P56
Plant breeding, Plant disease resistance, Strawberries, Verticillium wilt.
- 15019-68
EFFECT OF VARIATIONS IN TEMPERATURE ON THE REACTION OF TEMPERATURE-SENSITIVE WHEAT VARIETIES TO WHEAT STEM RUST.
K R Bromfield
Phytopathology 51(11):794-797
Nov 1961 464.8 P56

2D 15020-68

- Stem rust (wheat), Temperature, Wheat.
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SOME ENVIRONMENTAL FACTORS INFLUENCING PENETRATION FROM AP-
PHESSORIA OF UCCINIA GRAMINIS F. SP. TRITICI ON SEEDLING
WHEAT LEAVES.
J F Brown & A Shipton
Phytopathology 54(8):949-951, TABS.
Aug 1964 464.8 P56
Leaves, Wheat.
- 15021-68
RAPID INDEXING OF EXOCORTIS IN CITRUS.
E C Calavan E F Frolich J R Carpenter C N Roistacher
Phytopathology 54(11):1359-1362
Nov 1964 464.8 P56
Citrus, Exocortis (citrus).
- 15022-68
DEPOSIT RATE AND SPRAY OIL COMPOSITION IN RELATION TO PHYTO-
TOXICITY AND SIGATOKA DISEASE CONTROL ON BANANA LEAVES.
L Calpouzos C Colberg T Theis N E Delfel
Phytopathology 51(8):582-584
Aug 1961 464.8 P56
Phytotoxicity, Sigatoka (bananas).
- 15023-68
VISCOSITY OF NAPHTHENIC AND PARAFFINIC SPRAY OILS IN RELA-
TION TO PHYTOXICITY AND SIGATOKA DISEASE CONTROL ON BA-
NANA LEAVES.
L Calpouzos N E Delfel C Colberg T Theis
Phytopathology 51(8):528-531
Aug 1961 464.8 P56
Paraffin oils, Toxicology, Viscosity.
- 15024-68
TRANSMISSION OF RADISH MOSAIC VIRUS.
R N Campbell W M Colt
Phytopathology 57(5):502-504
May 1967 464.8 P56
Mosaic (radishes), Plant disease transmission.
- 15025-68
THE EFFECT OF STORAGE MOLDS ON GERMINATION AND VIGOR OF CAN-
NING PEAS.
L E Carlson T H King
52(8):727
Aug 1966
Peas, Plant hardiness, Seed germination, Storage diseases.
- 15026-68
MAINTAINING VIRUS-FREE CULTIVARS OF PEACH IN MICHIGAN.
D Cation
Plant Dis Rep 51(4):261-263 REF
Apr 1967 1.9 P69P
Crop varieties, Peaches, Plant disease transmission,
Seed-borne plant diseases, Virus diseases (plants).
Prunus ring spot virus (PRSV) is perpetuated in Michigan
peach only through rootstocks infected from seed or by
indiscriminate bud selection from latently infected trees in
nursery practice. Cherry yellows virus (CYV) from its ready
recognition and minimal seed production is not a factor in
peach. Neither of these viruses is spread naturally in
Michigan orchards or nurseries. Green ring mottle virus
(GRMV) was not transmitted through seed. With the exception
of GRMV which seems universally present in a few desirable
cultivars it seems feasible to establish peach plantings
free from known viruses. In many locations, according to
these studies and observations, such plantings would con-
tinue virus free for the life of the orchard. GRMV must be
tolerated as it has no apparent effect on peach quality,
growth or yield. Valuable and necessary varieties infected
with GRMV could be grown separately. No data are known for
the amount and distance of GRMV spread but sample indexings
from old orchards indicate that spread in peach is not oc-
curring in some areas.
- 15027-68
A REPORT OF THE OCCURRENCE OF CAMELLIA FLOWER BRIGHT IN
MISSISSIPPI.
J H Cechran
Plant Dis Rep 46(8):617
15 Aug 1962 1.9 P69P
Bright (camellia), Mississippi.
- 15028-68
FAILURE OF PSOROSIS VIRUS TO PROTECT AGAINST CITRUS
VARIATION VIRUS.
M K Corbett W C Price
Phytopathology 57(2):151-153
Feb 1967 464.8 P56
Citrus, Plant disease control, Psorosis (oranges),
Tristeza (citrus).
- 15029-68
AN EVALUATION OF TWO FUNGICIDES AS SOIL TREATMENTS WITH AND
WITHOUT HERBICIDE FOR TOMATO FRUIT CONTROL.
D F Crossan A L Morehart
Plant Dis Rep 46(4):227-229
15 Apr 1962 1.9 P69P
Fungicides, Soil fumigation, Soil treatment.
- 15030-68
CONTROL OF BACTERIAL SPOT OF PEACH.
R H Daines
Agr Chem 19(12):60
Dec 1964 381 AG8
Bacterial spot (peaches), Captan, Copper, Zinc chromate.
- 15031-68
SPRAY PROGRAMS AND THE CONTROL OF SOOTY BLOTCH OF APPLES.
R H Daines
Plant Dis Rep 46(7):513-515
15 Jul 1962 1.9 P69P
Chemical control (plant diseases), Sooty blotch (apples).
- 15032-68
DODINE (CYPREX) EFFECTIVE AGAINST BACTERIAL SPOT OF PEACH.
R H Daines
Phytopathology 51(8):576
Aug 1961 464.8 P56
Bacterial spot (peaches), Chemical control (plant diseases),
Dodine.
- 15033-68
EVIDENCE FOR FUNCTIONAL CYTOCHROME OXIDASE IN TISSUES IN-
FECTED BY OBLIGATE PARASITES.
J M Daly S G Jensen
Phytopathology 51(11):759-765, RIRL. 764-765
Nov 1961 464.8 P56
Cytochrome oxidase, Parasitism, Tissues.
- 15034-68
RESPIRATORY CHANGES DURING DEVELOPMENT OF RUST DISEASES.
J M Daly A A Rell L R Kempka
Phytopathology 51(7):461-471, RIRL. 471, TABS.
Jul 1961 464.8 P56
Metabolism, Uredinales.
- 15035-68
PLANT-TO-PLANT TRANSFER OF STONE FRUIT RINGSPOT VIRUS IN
SQUASH BY POLLINATION.
C R Das J A Milbrath
Phytopathology 51(7):489-49D
Jul 1961 464.8 P56
Fruit, Plant disease transmission, Pollination,
Ring spot (fruit), Squash.
- 15036-68
MOSAIC SUSCEPTIBILITY OF SUGARCANE SEEDLINGS AS DETERMINED
BY MECHANICAL INOCULATION AND NATURAL INFECTION.
J L Dean O R Coleman D M Broadhead
Phytopathology 51(9):643
Sep 1961 464.8 P56
Mosaic (sugarcane), Plant disease resistance.
- 15037-68
CERATOCYSTIS CANKER OF STONE FRUIT TREES.
J E DeVay P L Lukezic W H English E E Trujillo
Phytopathology 53(8):873
Aug 1963 464.8 P56
Canker (fruit), Ceratocystis canker, Fruit.
- 15038-68
RED YELLOW MOSAIC VIRUS IN DETACHED LEAVES OF RED CLOVER
PLANTS.
S Diachnan L Henson
Phytopathology 53(8):873-874
Aug 1963 464.8 P56
Leaves, Red clover, Yellow mosaic (beans).
- 15039-68
SUSCEPTIBILITY OF EASTERN WHITE PINE TO CHLOROTIC DWARF.
L S Dochinger C E Seliskar
Phytopathology 53(8):874
Aug 1963 464.8 P56
Chlorotic dwarf (pinus strobus), Pinus.

- 15040-68
A DRY ROT OF ACORN SQUASH, CUCURBITA PEPO. L.
S T Doening G F Weher
Phytopathology 53(8):874
Aug 1963 464.8 P56
Dry rot (winter squash), Glomerella, Physalospora, winter squash.
- 15041-68
ACTION OF SOIL FUNGICIDES. IV. CHANGES IN THE SPECTRUM OF SOIL FUNGI. V. SENSITIVITY OF SOIL ORGANISM IN VITRO.
K H Domsch
J Sci Food Agr 12(1):1-16-4
Jan 1961 382 S012
Captan, Nahan, Soil fungi, Thiram, Vapam.
- 15042-68
TIME OF PRUNING AND INFECTION OF PEACH TREES BY PSEUDOMONAS SYRINGAE.
W M Dwyler D R Petersen
Phytopathology 53(8):874
Aug 1963 464.8 P56
Peaches, Pruning, Pseudomonas.
- 15043-68
BEET YELLOW STUNT VIRUS.
J E Duffus
Phytopathology 54(12):1432
Dec 1964 464.8 P56
Beets, Virus diseases (plants).
- 15044-68
EFFECT OF LIGHT ON THE RATE OF DECAY OF THREE WOOD DESTROYING FUNGI.
C G Duncan
Phytopathology 57(10):1121-1125
Oct 1967 464.6 P56
Light, Fungi, Wood destroying fungi.
- 15045-68
CONTROL OF BROWN STEM ROT OF SOYBEANS WITH CORN-SOYBEAN ROTATIONS.
J M Dunleavy C B Weber
Phytopathology 57(2):114-117
Feb 1967 464.8 P56
Brown stem rot (soybeans), Crop rotation, Soybeans.
- 15046-68
CEBOSPORELEAF SPOT-RESISTANT RADISH GERMPLASMS.
E L Felix
Phytopathology 54(8):892
Aug 1964 464.8 P56
Plant disease resistance, Radishes.
- 15047-68
EFFECTS OF LIGHT, TEMPERATURE, AND FERTILIZER ON INFECTION OF WHEAT LEAVES BY SEPTORIA TITICI.
R Fellows
Plant Dis Rep 46(12):846-848, TABS.
15 Dec 1962 1.9 P69P
Fertilizers, Light, Temperature.
- 15048-68
SOME OBSERVATIONS ON THE NUMBER OF ROOT LESION NEMATODES NECESSARY TO CAUSE INJURY TO SEEDLING ONIONS.
J H Ferris
Plant Dis Rep 46(7):484-485
15 Jul 1962 1.9 P69P
Onions, Plant nematodes, Seedlings.
- 15049-68
RHIZOCTONIA TIP BLIGHT AND STEM ROT OF PEA.
M T Plentje D J Hagedorn
Phytopathology 54(7):788-791
Jul 1964 464.8 P56
Peas, Stem rot (peas), Tip blight (peas).
- 15050-68
ANTIBIOTIC TREATMENT OF YOUNG LOBLOLLY PINES INFECTED WITH PUSIPICUM RUST.
R R Foil G G Merrifield T Ranshrough
Plant Dis Rep 51(3):223-224
Mar 1967 1.9 P69P
Antibiotics, Cronartium fusiforme, Cycloheximide, Fungicides, Fungus diseases (plants), Pinus taeda, Rust (pinus taeda), Tree diseases.
Abstract:
Application of cycloheximide derivatives to loblolly pines infected with fusiform rust resulted in death of diseased tissue, but also caused the eventual death of the host trees
- by restriction of translocation. Satisfactory results were attained only in cases where infected tissues occupied less than half the hole surface.
- 15051-68
THE INTERACTION OF POTATO VIRUSES X AND Y IN INOCULATED TOBACCO LEAVES AT VARIOUS TEMPERATURES.
R E Ford A F Ross
Phytopathology 51(8):576
Aug 1961 464.8 P56
Immunization, Tobacco.
- 15052-68
PURIFICATION OF VIRUSES FROM PEA ROOTS.
R E Ford
Phytopathology 54(12):1433
Dec 1964 464.8 P56
Peas, Roots, Viruses.
- 15053-68
REDUCTION OF ASTER YELLOWS.
R A Fredericksen
Agr Chem 18(9):147, 181-182
Sep 1963 381 AG8
Aster yellows (flax), Disulfoton, Macrosteles, Phorate.
- 15054-68
EFFECTS OF TIME AND TEMPERATURE ON RATE OF GRAFT TRANSMISSION OF THE PRUNUS RINGSPOT VIRUS.
P B Fridlund
Phytopathology 57(2):230-231
Feb 1967 464.8 P56
Plant disease transmission, Plant temperature, Ring spot (prunus).
- 15055-68
ALFALFA MOSAIC VIRUS TRANSMITTED THROUGH ALFALFA SEED.
F I Froeseiser
Phytopathology 54(8):893
Aug 1964 464.8 P56
Alfalfa, Mosaic (alfalfa), Plant disease transmission.
- 15056-68
INCLUSION BODIES ASSOCIATED WITH SUGAR BEET MOSAIC.
I Fujisawa C Matsui A Yamaguchi
Phytopathology 57(2):210-213
Feb 1967 464.8 P56
Inclusion bodies, Mosaic (sugar beets).
- 15057-68
A NEW FUNGUS LEAF SPOT DISEASE OF CUCUMBER IN WESTERN WASHINGTON.
R L Gabrielson L Campbell
Phytopathology 54(12):1433
Dec 1964 464.8 P56
Cucumbers, Washington.
- 15058-68
AN ANOMALOUS EFFECT OF PENTACHLORONITROBENZENE ON THE INCIDENCE OF DAMPING-OFF CAUSED BY A PHYTHIUM SP.
I A Gibson M Ledger E Boehm
Phytopathology 51(8):531-533, TABS.
Aug 1961 464.8 P56
Pentachloronitrobenzene.
- 15059-68
HEAT ACTIVATION OF VIRUS INOCULUM.
C C Gill C E Yarwood
Phytopathology 54(12):1433
Dec 1964 464.8 P56
Heat, Virology.
- 15060-68
EVIDENCE AGAINST SEED TRANSMISSION OF GREEN RING MOTTLE VIRUS IN MAZZARD CHERRY SEEDLINGS.
R M Gilmer K D Brase
Plant Dis Rep 46(5):356
15 May 1962 1.9 P69P
Green ring mottle (cherries), Plant disease transmission.
- 15061-68
ALTERNARIA OF COTTON IN SOMALIA. (IT)
C Golato
Siv Agr Subtrop Trop 61(1/3): 11-14. REP.
Jan 1967 26 AG82
Alternaria macrospora, Cotton, Fungus diseases (plants).

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ANTIHCST SERUM IMPROVES PLANT VIRUS PURIFICATION.
A H Gold
Phytopathology 51(8):561-565
Aug 1961 464.8 P56
Serum, Virus diseases (plants).
- 15063-68
SPECIES OF LEPTOSPHERULINA ON FORAGE PLANTS.
J H Graham E S Lintrell
Phytopathology 51(1D):68D-693, BIRL. 692-693, TABS.
Oct 1961 464.8 P56
Forage plants, Leptosphaerulina.
- 15064-68
BRUISING AS A PREDISPOSING FACTOR IN THE DECAY OF STORED CRANBERRIES.
S O Graham M E Patterson B Allen
Phytopathology 57(5):497-501
May 1967 464.8 P56
Cranberries, Storage injuries.
- 15065-68
CONTROL OF VERTICILLIUM WILT OF PEPPERMINT BY SOIL FUMIGATION IN MUCK SOIL.
R J Green Jr
Plant Dis Rep 48(12):960-963, TABS.
15 Dec 1964 1.9 P69P
Fungicides, Muck soils, Verticillium.
- 15066-68
PHYSIOLOGICAL BASIS OF GALL FORMATION IN BLACK-KNOT DISEASE OF PRUNUS.
G L Greene
Phytopathology 52(9):880-884, BIBL. 883-884
Sep 1962 464.8 P56
Plant galls, Plant physiology, Prunus.
- 15067-68
PURIFICATION OF PEA ENATION MOSAIC VIRUS.
S Gross
Phytopathology 55(2):127
Feb 1965 464.8 P56
Enation mosaic (peas), Peas, Purification.
- 15068-68
EFFECT OF INCUBATION TEMPERATURE ON LENGTH AND INFECTIVITY OF POTATO VIRUS X PARTICLES IN FOUR HOST SPECIES.
J W Guthrie
Phytopathology 55(6):607-611, BIBL., TABS.
Jun 1965 464.8 P56
Incubation, Infectious diseases, Potatoes, Temperature, Virus x (potatoes).
- 15069-68
A NEW METHOD OF APPLYING BIPHENYL FOR THE CONTROL OF CITRUS FRUIT ROTS.
Y Gutter
Plant Dis Rep 51(1):58-61
Jan 1967 1.9 P69P
Biphenyl, Rot (lemons), Rot (oranges).
- 15070-68
SEVERITY AND DISTRIBUTION OF COTTON ROLL ROT AS RELATED TO TEMPERATURE.
P M Halisky W C Schnathorst M A Shagrun
Phytopathology 51(R):501-505
Aug 1961 464.8 P56
Fungi, Temperature.
- 15071-68
UNDESCRIBED PLANT DISEASES AND NEW HOSTS RECORDED IN OREGON DURING 1960-1961.
R S Halliwell I C MacSwan
Plant Dis Rep 46(1):30
15 Jan 1962 1.9 P69P
Plant diseases.
- 15072-68
ACCUMULATION OF FLUORESCENT COMPOUNDS IN TOBACCO ASSOCIATED WITH TOBACCO MOSAIC VIRUS HYPERSENSITIVITY.
B E Hampton R Suseno D M Brumagen
Phytopathology 54(9):1062-1064
Sep 1964 464.8 P56
Fluorescent substances, Hypersensitivity, Mosaic (tobacco).
- 15073-68
INDEX TO GENERA OF PATHOGENS LISTED IN THE "INDEX OF PLANT DISEASES IN THE UNITED STATES. 1.
R T Hanlin J R Chalkley
Plant Dis Rep 51(3):235-240
Mar 1967 1.9 P69P
Indexes, Microorganisms, Plant diseases, United States.
- 15074-68
EFFECT OF BORDEAUX SPRAY AND PLASTIC COVERING IN PREVENTING INVASION OF LOW-TEMPERATURE-INJURED STEMS OF PRUNE TREES BY CYTOSPORA FUNGI.
A W Belton
Plant Dis Rep 46(2):77-79
15 Feb 1962 1.9 P69P
Bordeaux mixture.
- 15075-68
BEHAVIOR OF WESTERN X VIRUS IN WELTROGUE PEACH AND CHERRY ORCHARDS.
A W Helton
Phytopathology 51(7):488-489
Jul 1961 464.8 P56
Cherries, Peaches.
- 15076-68
ADDITIONAL EVIDENCE ON SOIL TRANSMISSION OF TORACCO RINGSPOT VIRUS.
J W Hendrix J P Fulton J L Dale
Phytopathology 51(9):643
Sep 1961 464.8 P56
Plant disease transmission, Ring spot (tobacco).
- 15077-68
THE POSSIBLE USE OF PINE NEEDLES AS SPORE TRAPS.
J W Hendrix
Phytopathology 53(8):878
Aug 1963 464.8 P56
Pine needles, Puccinia, Traps.
- 15078-68
A PINE DISEASE IN NEW ZEALAND RESEMBLING LITTLELEAF.
G H Repting F J Newhook
Plant Dis Rep 46(R):57D-571
15 Aug 1962 1.9 P69P
Little leaf (pinus).
- 15079-68
INOCULATION OF ETIOLATED RUT LIGHT-TREATED LEAVES OF GRAPE WITH FANLEAF VIRUS.
W R Hewitt L Cory
54(8):895
Aug 1964
Fanleaf (grapes), Grapes, Light.
- 15080-68
EFFECT OF VIRUS YELLOWS ON YIELD AND QUALITY OF SUGAR BEET SEED.
O A Hills C W Bennett H K Jewell D L Coudriet R W Rimbaker
J Econ Entomol 53(1):162-164, BIRL., PL.
Feb 1960 421 JR22
Curly top (sugar beets), Germination reduction, Seed germination, Sugar beets, Yellows (sugar beets).
- 15081-68
FIELD OBSERVATIONS ON ROOT ROT OF TEAK IN TANZANIA.
D Hocking A A Jaffer
Pao Plant Protect Bull 15(1):10-14
Feb 1967 421 P692
Tectona grandis, Tree diseases.
- 15082-68
COMPARISON OF HEAT AND QUICK FREEZING FOR RELAXING NEMATODES PRIOR TO PERMANENT MOUNTING.
J K Hoff W F Mai
Phytopathology 54(7):869
Jul 1964 464.8 P56
Animal anatomy, Heat, Nematodes, Nematology.
- 15083-68
RESISTANCE TO SEVERAL VIRAL DISEASES INHERITED AS A UNIT.
F O Holmes
Phytopathology 51(8):577
Aug 1961 464.8 P56
Plant disease resistance, Virus diseases (plants).
- 15084-68
RADISH MOSAIC VIRUSES.
J C Horton G S Pound T P Pirone
Phytopathology 51(7):434-440
Jul 1961 464.8 P56
Mosaic (radishes), Virus diseases (plants).

- 15085-68
CONTROL OF ALTERNARIA BLIGHT OF RAPE AND MUSTARD BY
GBISECPULVIN.
A Hnsain R N Thakur
Plant Dis Rep 46(9):672-673
15 Sep 1962 1.9 P69P
Blight (rape), Griseofulvin.
- 15086-68
SPORULATION OF PHYTOPHTHORA PHASEOLI.
R A Hyre G Ettinger
Plant Dis Rep 51(4):253-256
Apr 1967 1.9 P69P
Downy mildew (lima beans), Lima beans, Sporulation.
Pennsylvania Agricultural Experiment Station cooperating.
The optimum temperature range for sporulation of *Phytophthora phaseoli* on young "Fordhook" lima bean stems was 18-22 degrees C. about 50 percent as many sporangia occurred at 15 degrees and 25 degrees. very few occurred at 5 degrees and 30 degrees. at 20 degrees about 300 sporangia per cm² were present in 3 hours, 6,000 in 6 hours, 100,000 in 12 hours, and 225,000 in 24 hours. on the same lesion over 80 percent of the total number were present the first day, 12 percent the second day, and 4 percent the third day. on young infections many sporangia were formed after 2 days" colonization at 20-25 degree C: the maximum number (about 4 million per lesion). were formed after 4 days: and then the numbers rapidly declined the next 3 days. Significantly (-0.05) more sporangia occurred with a 16-hour day, 8-hour night, than with a 12-hour day, 12-hour night during the colonization period.
- 15087-68
POBECASING DOWNY MILDEW OF LIMA BEAN IN CAPE MAY COUNTY, NEW JERSEY.
B A Byre J MacLeod S B Davis Jr
Plant Dis Rep 46(6):393-395
15 Jun 1962 1.9 P69P
Downy mildew (lima beans), New Jersey.
- 15088-68
FUNGI ASSOCIATED WITH GLADIOLUS ROOTS UNDER CONTINUOUS CROPPING CONDITIONS.
C B Jackson
Plant Dis Rep 46(5):312-317
15 May 1962 1.9 P69P
Crop rotation, Fungus diseases (plants), Gladiolus, Roots.
- 15089-68
PEAR DECLINE VIRUS TRANSMISSION BY PEAR PSYLLA.
D D Jensen W G Griggs C Q Gonzales B Schneider
Phytopathology 54(11):1346-1351, RIBL. 1351, TABS.
Nov 1964 464.8 P56
Decline (pears), Insect vectors, Pears,
Plant disease transmission.
- 15090-68
RESISTANCE TO FUSIFORM RUST IN SLASH PINE AS SHOWN BY ARTIFICIAL INOCULATION.
P F Jewell S L Mallett
Phytopathology 54(10):1294
Oct 1964 464.8 P56
Pinus elliotii, Plant disease resistance,
Rust (pinus elliotii).
- 15091-68
AN OUTBREAK OF BROADBEAN DISEASES IN IRAN.
W J Kaiser K E Mueller D Danesh
Plant Dis Rep 51(7):595-599
Jul 1967 1.9 P69P
Broadbeans, Chocolate spot (broadbeans), Mosaic (broadbeans), Rust (beans).
- 15092-68
CONTROL OF CUCUMBER SCAR DUE TO CLADOSPORIUM CUCUMERINUM.
J G Kantzes L O Weaver J M Wells
J Sci Food Agr 15(9):1129-2
Sep 1964 382 S012
Cucumbers, Difolotan, Dithane M-45, Folpet, Maneb.
- 15093-68
EFFECT OF S-TRIAZINE AND PHENYLUREA HERBICIDES ON SOIL FUNGI IN CORN- AND SOYBEAN-CROPPED SOIL.
D D Kaufman
Phytopathology 54(8):897
Aug 1964 464.8 P56
Chemical control (plant diseases), Corn, Herbicides, Soybeans.
- 15094-68
SELECTIVE ISOLATION OF SOFT-ROT BACTERIA OF ONION.
S O Kawamoto J W Lorbeer
Phytopathology 54(8):897
Aug 1964 464.8 P56
Onions.
- 15095-68
EPIDEMIOLOGY OF TEA BLISTER BLIGHT (EXORASIDIUM VEXANS).
III. SPORE DEPOSITION AND DISEASE PREDICTION.
A Kerr W B F Rodrigo
Brit Mycol Soc Trans 50(1):49-55
Mar 1967 451 B76
Blister blight (tea), Exorasisidum vexans, Forecasting, Plant diseases.
- 15096-68
THE EFFECT OF FEBICARF ON COVERED SMUT INFECTION OF NAKED BARLEY VARIETIES.
B L Kiesling
Phytopathology 52(8):738
Aug 1962 464.8 P56
Barley, Covered smut (barley).
- 15097-68
FUNGI ASSOCIATED WITH LARVAE OF SITONA SPP.
R A Kilpatrick
Phytopathology 51(9):640
Sep 1961 464.8 P56
Fungi, Larvae.
- 15098-68
SEEDLING DISEASE OF WHEAT CAUSED BY SCLEBOTIUM ROLFSSII.
B A Kilpatrick O G Merkle
Phytopathology 57(6):538-540
Jun 1967 464.8 P56
Panogen, Sclerotium rolfssii, Seed treatment, Wheat.
Texas A&M University cooperating.
Abstract:
treating seeds with Panogen improved germination of one variety but had little or no effect on controlling the disease.
- 15099-68
PROTECTION OF CUCUMBER SEEDLINGS FROM STONE FRUIT BINGSPOT VIRUS BY 8-AZAGUANINE.
R C Kirkpatrick R C Linder
Phytopathology 51(10):727-730
Oct 1961 464.8 P56
Cucumbers, Guanazolo, Plant protection.
- 15100-68
STUDIES ON THE CONTROL OF BLACK BOT OF CUCURBITES BY TREATING SEEDS WITH ANTIBIOTICS.
J M Klisiewicz G S Pound
Phytopathology 51(8):495-500, TABS.
Aug 1961 464.8 P56
Antibiotics, Plant disease control, Seed treatment.
- 15101-68
THE DIPHENYLAMINE REACTION AND TRANSMISSION EXPERIMENTS WITH PHENOL EXTRACTS OF PLANTS INFECTED WITH POTATO LEAF ROLL VIRUS.
B Koenig W C Mueller
Phytopathology 54(10):1223-1227, RIBL. 1227
Oct 1964 464.8 P56
Leaf roll (potatoes), Phenols, Plant disease transmission.
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PHYSIOLOGICAL FACTORS IN THE ETIOLOGY AND ALLEVIATION OF SALT-INDUCED DECLINE OF ROADSIDE MAPLES AND PINES.
J R Kotheimer
Diss Abstr Sect B 28(3):760R-761R
Sep 1967 Z5U55.U49D53
Acer, Pinus, Plant physiological diseases, Sodium chloride.
- 15103-68
PURIFICATION, SEROLOGY, AND PROPERTIES OF A NEW COWPEA VIRUS.
C W Kuhn
Phytopathology 54(7):853-857, RIBL. 857
Jul 1964 464.8 P56
Cowpeas, Mottle (cowpeas), Serological tests, Virology, Virus diseases (plants), Viruses.
- 15104-68
FLUORESCENT ANTIBODY TECHNIQUE FOR DETECTION OF POLYPORUS TOMENTOSUS.
D Kumar R P Patton
Phytopathology 54(8):898

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Polyporus tomentosus.
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CANKERS OF ORNAMENTAL CRABAPPLES ASSOCIATED WITH PHYSALOSPORA OBTUSA AND OTHER MICROORGANISMS.
W R Landis J H Hart
Plant Dis Rep 51(3):230-234 REP
Mar 1967 1.9 P69P
Canker (crabapples), Crabapples, Microorganisms.
A trunk canker of ornamental crabapples is common on the Michigan State University campus. Physalospora obtusa (Schw.) Cke. was isolated from 42 of 59 cankered trees. three other organisms were isolated from the remaining 17 trees. attempts to inoculate 2-year-old grafted plants failed until the trees were subjected to water stress, after which P. obtusa and Phoma mali Schulz. and Sacc. produced cankers. mature trees of four different cultivars were inoculated with P. obtusa and developed typical cankers.
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THE OCCURRENCE OF A PHYIOPHTHORA ROOT AND LEAF DISEASE OF BLACK PEPPER IN JAMAICA.
R I Leather
Fao Plant Protect Bull 15(1):15-16
Feb 1967 421 P692
Fungus diseases (plants), Meloidogyne, Phytophthora, Piper nigrum.
- 15107-68
MICROORGANISMS ON CUCUMBER SEEDLINGS.
C Leben
Phytopathology 51(8):553-557, HIRL.
Aug 1961 464.8 P56
Microorganisms, Seedlings.
- 15108-68
STEMPHYLIUM LEAF SPOT OF PARSLEY.
G D Lewis
Phytopathology 52(9):925
Sep 1962 464.8 P56
Parsley, Steampyllum.
- 15109-68
CONTROL OF ASPARAGUS RUST WITH A MIXTURE OF MANEB AND NICKEL SULFATE.
G D Lewis P R Shoemaker
Agr Chem 20(5):78
May 1965 381 AG8
Fungicides, Maneb, Nickel snlfate, Rust (asparagus).
- 15110-68
HEAT-INDUCED SUSCEPTIBILITY OF TOBACCO TO TROPAEOLUM MOSAIC VIRUS.
S C Y Liu K M Silberschmidt
Phytopathology 51(6):413-415
Jun 1961 464.8 P56
Plant disease control, Tobacco.
- 15111-68
EVIDENCE OF "RUNNING OUT" IN NON-CERTIFIED POTATOES USED FOR SEED.
C H Livingston M D Harrison K W Knutson
Plant Dis Rep 51(4):298-299
Apr 1967 1.9 P69P
Crop yields, Seed potatoes.
- 15112-68
PHOTOSYNTHESIS IN HEALTHY AND RUST-AFFECTED TISSUES.
A Livne
Phytopathology 52(8):739-740
Aug 1962 464.8 P56
Photosynthesis, Plant diseases, Rust (beans), Rust (wheat).
- 15113-68
PEROXIDASE ACTIVITY IN VIRUS-INFECTED SWEET POTATOES.
G Loebenstein N Linsey
Phytopathology 51(8):533-537
Aug 1961 464.8 P56
Peroxidases, Sweetpotatoes.
- 15114-68
IDENTIFICATION AND DISTRIBUTION OF OAT SMUTS OF THE SOUTH-EASTERN UNITED STATES.
H H Luke
Phytopathology 54(7):792-794, TABS.
Jul 1964 464.8 P56
Oats, Smut (oats).
- 15115-68
OAT SMUT RACES OF THE SOUTH ATLANTIC STATES.
H H Luke P L Pfahler S J Radden
Phytopathology 51(7):490-491
Jul 1961 464.8 P56
Ethnology, Loose smut (oats).
- 15116-68
WILT DISEASE OF GOLF GREENS AND ITS CONTROL WITH NABAM.
B J Lukens E M Stoddard
Phytopathology 51(8):577
Aug 1961 464.8 P56
Nabam.
- 15117-68
PEROXIDASES AND THEIR RELATION TO VASCULAR BROWNING IN BANANA ROOTS.
M E Mace
Phytopathology 54(8):1033-1034
Aug 1964 464.8 P56
Bananas, Peroxidases, Roots.
- 15118-68
MULTIPLICATION AND MOVEMENT OF WISCONSIN PEA STREAK VIRUS IN PEA.
J N C Maduevesi
Phytopathology 54(8):899
Aug 1964 464.8 P56
Plant disease transmission, Reproduction, Streak (peas).
- 15119-68
THE INFLUENCE OF REDUCING SUBSTANCES ON RESISTANCE TO BACTERIAL WILT OF TOBACCO.
E C Maine A Kelman
Phytopathology 51(7):491-492
Jul 1961 464.8 P56
Bacterial wilt (tobacco), Tobacco.
- 15120-68
NUCLEOTIDE COMPOSITION OF RNA IN HEALTHY AND MILDREW-INFECTED LEAVES OF BARLEY.
I Malca P P Zscheile Jr R Gulli
Phytopathology 54(9):1112-1116, HIRL. 1115-1116
Sep 1964 464.8 P56
Barley, Mildew (barley), Nucleotides, Ribonucleic acid.
- 15121-68
INTERNAL SPOTTING OF COCONUTS.
K Maramorosch H Rothkirch R S Castillo
Phytopathology 51(8):577
Aug 1961 464.8 P56
Coconuts.
- 15122-68
EFFECTS OF HIGH VEIN ON THE IRRIGATED HEAD LETTUCE CROP.
R R Marlatt R T McKittrick
Plant Dis Rep 46(6):428-429
15 Jun 1962 1.9 P69P
High vein (lettuce), Lettuce.
- 15123-68
SWEETPOTATO SOIL, ROT DEVELOPMENT IN OLIVIER SILT LOAM SOIL AS AFFECTED BY ANNUAL APPLICATIONS OF LIME OR SULFUR OVER A SEVEN-YEAR PERIOD.
W J Martin L G Jones T P Hernandez
Plant Dis Rep 51(4):271-275
Apr 1967 1.9 P69P
Lime, Loam, Silt, Streptomyces ipomoea, Sulfur, Sweetpotatoes.
In an (olivier silt loam soil at Chase, Louisiana sweetpotato soil rot incidence in 1965 and 1966 generally was high in plots receiving annual applications of lime and ranging in pH from 6.3 to 6.8, low in plots receiving annual applications of sulfur and ranging in pH from 4.1 to 4.8, and low to high in plots receiving neither amendment and ranging in pH from 4.8 to 5.8. the data 1) emphasize the importance of not adding lime to sweetpotato soils that are, or might become, infested with soil rot, 2) confirm the effectiveness of sulfur application to the soil in controlling soil rot, and 3) give additional evidence that soil rot is not a serious problem in silt loam soils in Louisiana with pH below 5.2.
- 15124-68
PEANUT STUNT DISEASE SURVEY IN VIRGINIA, 1966.
W R Matheny D H Kludy
Plant Dis Rep 51(3):169
Mar 1967 1.9 P69P
Peanuts, Stunt (peanuts), Virus diseases (plants).

- 15125-68
THE AMINO ACID AND SUGAR COMPOSITIONS OF HEALTHY AND AN-
THRACNOSE-INFECTED WATERMELONS.
C L McCombs M N Winstead
Phytopathology 51(9):644
Sep 1961 464.8 P56
Amino acids, Sugar, Watermelons.
- 15126-68
TRANSMISSION OF APPLE MOSAIC AND STEM-PITTING VIRUSES
THROUGH ROOT GRAFTS.
R C McCrum
Phytopathology 52(9):925
464.8 P56
Mosaic (apples), Plant disease transmission, Plant grafting,
Roots, Virus diseases (plants).
- 15127-68
A STUDY OF SYMPTOMS AND CONTROL OF PHOMOPSIS JUNIPEROVORA
ON ARIZONA CYRESS.
A T McDaniel
Plant Dis Rep 46(5):364-365
15 May 1962 1.9 P65P
Chemical control (plant diseases), Cupressus arizonica,
Phomopsis juniperovora.
- 15128-68
CHEMICALS FOR PLANT DISEASE CONTROL.
R McGrath
Agr Chem 19(7):18-22
Jul 1964 381 AG8
Chloramphenicol, Dehydroacetic acid, Oxytetracycline,
Plant disease control, V-C13 nemacide.
- 15129-68
SYMPTOMS OF TOBACCO RINGSPOT VIRUS ON PAPAYA.
D M McLean E O Olson
Plant Dis Rep 46(12):882
15 Dec 1962 1.9 P69P
Papayas, Ring spot (tobacco).
- 15130-68
SEED TRANSMISSION OF BEAN MOSAIC VIRUSES.
A C Medina R G Grogan
Phytopathology 51(7):452-456, BRL. 456, TABS.
Jul 1961 464.8 P56
Mosaic (beans), Seed-borne plant diseases.
- 15131-68
ANTHRACNOSE, SCAB, AND SOIL ROT OF CUCUMBERS.
P Miller
Agr Chem 20(12):67
Dec 1965 381 AG8
Anthracnose (cucumbers), Cucumbers, Scab (cucumbers).
- 15132-68
THE EFFECT OF CORN ROOT EXUDATE ON THE GROWTH OF FIVE FUNGI
ASSOCIATED WITH CCBM ROOTS.
R E Miller
Phytopathology 53(8):882-883
Aug 1963 464.8 P56
Corn, Exudates, Fusarium, Gibberella, Helminthosporium,
Penicillium, Roots, Trichoderma.
- 15133-68
USE OF POLYETHYLENE BAGS FOR CORN ROOT INFECTION STUDIES.
R E Miller C W Boothroyd
Phytopathology 51(8):578
Aug 1961 464.8 P56
Corn, Polyethylene, Roots.
- 15134-68
INFLUENCE OF SOME REPRESENTATIVE HERBICIDAL CHEMICALS UPON
THE GROWTH OF SOME SOIL FUNGI.
D F Millikan M L Fields
Phytopathology 54(8):901
Aug 1964 464.8 P56
Herbicides, Soil fungi.
- 15135-68
BULL ROT DISEASE OF ALMONDS.
C J Mirocha E E Wilson
Phytopathology 51(12):843-847
Dec 1961 464.8 P56
Almonds, Bull rot (prunus amygdalus).
- 15136-68
ROLE OF FUMARIC ACID IN THE BULL ROT DISEASE OF ALMOND.
C J Mirocha J E DeVay E F Wilson
Phytopathology 51(12):851-860, BRL. 860, TABS.
Dec 1961 464.8 P56
Fumaric acid, Bull rot (prunus amygdalus).
- 15137-68
RELATION BETWEEN RESIDUES OF POLPET AND CONTROL OF BROWN ROT
ON SOUR CHERRY FRUIT IN DOOR COUNTY, WISCONSIN, 1962.
J E Mitchell A V Ravenscroft R D Berger J D Moore
Agr Chem 19(8):70
Aug 1964 381 AG8
Brown rot (cherries), Polpet, Pesticide residues.
- 15138-68
SYSTEMIC AND FUNGICIDAL ACTIVITY OF D-, L-, AND DL-
ETHIONINE, S-ALKYL-DL-HOMOCYSTEINE DERIVATIVES, AND
METHIONINE ANTAGONISTS.
W Moje J E Kendrick Jr G A Zentmeyer
Phytopathology 53(8):883
Aug 1963 464.8 P56
Ethionine, Homocystine, Methionine, Phytophthora.
- 15139-68
INFLUENCE OF NUTRITION, PH, SOIL TEMPERATURE, AND SOIL
MOISTURE ON PHYTHIUM BLIGHT OF HIGHLAND BENTGRASS.
L D Moore H R Conch J B Bloom
Phytopathology 51(8):578
Aug 1961 464.8 P56
Hydrogen-ion concentration, Plant nutrition, Soil moisture,
Soil temperature.
- 15140-68
FACTORS IN THE PRODUCTION AND STIMULATION
OF SOME ANTIBIOTICS OF FUNGAL ORIGIN
INHIBITING THE GROWTH OF PATHOGENIC FUNGI. (FR)
R Morgner L Lacoste G Blaha
Acad Sci Compt Rend Ser D Sci Nat 264 _15), 1840-1843
10 Apr 1967 505 P21
Antibiotics, Fungus diseases (plants),
Plant growth inhibitors, Toxicity.
- 15141-68
HOST RANGE AND PROPERTIES OF THE GLOBE ARTICHOKE CURLY DWARF
VIRUS.
D J Morton
Phytopathology 51(10):731-734
Oct 1961 464.8 P56
Artichokes, Curly dwarf (artichokes), Host indexing (plants).
- 15142-68
RESISTANCE OF BRASSICA OLERACEA VARIETIES TO DOWNY MILDEW.
J J Matti M R Dickson J D Atkin
Phytopathology 57(2):144-147
Feb 1967 464.8 P56
Cabbage, Downy mildew, Plant disease resistance.
- 15143-68
LEAFROLL OF TOMATO CAUSED BY A STRAIN OF POTATO LEAFROLL
VIRUS.
J J Matti W T Schroeder
Phytopathology 51(8):578
Aug 1961 464.8 P56
Leaf roll (potatoes).
- 15144-68
A SURVEY OF CARNATION DISEASES IN SOUTH SWEDEN.
G I Nilsson
Plant Dis Rep 46(3):152-155
15 Mar 1962 1.9 P69P
Dianthus caryophyllus, Plant diseases.
- 15145-68
FURTHER ADDITIONS TO THE LIST OF FUNGUS PATHOGENS RECORDED
IN CHILE.
S F Nome W J Moller D Docampo H English
Plant Dis Rep 51(3):213-214
Mar 1967 1.9 P69P
Economic plants, Host specificity, Ornamental plants, Weeds.
- 15146-68
SYMPTOMLESS HOSTS OF THE POTATO SPINDLE TUBER VIRUS.
M J O'Brien W R Raymer
Phytopathology 54(9):1045-1047
Sep 1964 464.8 P56
Plant disease resistance, Potatoes, Spindle tuber (potatoes).
- 15147-68
EFFECT OF VOLUME AND VARIATION IN DROPLET SIZE OF SPRAY
APPLICATIONS FROM AN AIR-CARRIER SPRAYER ON CONTROL OF
THREE ALMOND DISEASES.
J M Ogawa W E Yates
Plant Dis Rep 46(8):614-615

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- 15 Aug 1962 1.9 P69P
Aerial plant disease control, Almonds.
- 15148-68
LEAF SPOT OF GUAR CAUSED BY *PSEUDOMONAS SYRINGAE* IN THE UNITED STATES.
R G Orellana
Plant Dis Rep 51(3):182-184
Mar 1967 1.9 P69P
Guar, Leaf spot (guar), *Pseudomonas syringae*.
A leaf spot of guar caused by *Pseudomonas syringae* in Texas and in Oklahoma in 1966 is described. This is believed to be the first report of this disease in the United States. Many guar plants infected by *P. syringae* were infected also by *Xanthomonas cyamopsidis*. There was no pronounced inhibition between these bacterial pathogens, when they were grown together in artificial media or when inoculated together on guar leaves.
- 15149-68
BASE COMPOSITION OF SOLUBLE RIBONUCLEIC ACID FROM PHYTOPHTHORA INFESTANS.
O T Page M C Clark
Phytopathology 53(8):885
Aug 1963 464.8 P56
Late blight (potatoes), *Phytophthora*, Potatoes, Ribonucleic acid.
- 15150-68
NEW MEDIUM FOR THE ISOLATION OF *THIELAVIOPSIS BASICOLA* ON DILUTION PLATES FROM SOIL AND RHIZOSPHERE.
G C Papavizas
Phytopathology 54(12):1475-1481, TABS.
Dec 1964 464.8 P56
Culture media, Rhizosphere, Soil fungi, *Thielaviopsis basicola*.
- 15151-68
TREE NUTRITION AND FIRE BLIGHT DEVELOPMENT.
K G Farker N S Luepschen E G Fisher
Phytopathology 51(8):557-560, TABS.
Aug 1961 464.8 P56
Fire blight (pears), Plant nutrition.
- 15152-68
COMPARISON PATHOGENICITY STUDIES OF FUNGI ASSOCIATED WITH CORN STALK ROT.
J L Peterson
Phytopathology 51(8):578
Aug 1961 464.8 P56
Fungi, Stalk rot (corn).
- 15153-68
ALBINO PERIDERMIIUM HARKNESSII IN PONDEROSA PINE.
R S Peterson
Plant Dis Rep 51(4):306-309
Apr 1967 1.9 P69P
Albinism, *Pinus ponderosa*, Plant galls, Rust (*Pinus ponderosa*), Tree diseases.
A white-spore race of the western gall rust fungus is widespread on *ponderosa* pine in the Rocky Mountain-Intermountain Area. It is believed to be autoecious on the basis of field evidence and inoculations. Orange-spore *Peridermium harknessii* occurs within the eastern half of the albino's distribution, but is not known in the western half. Relatively high temperature appears to favor germination of the hyaline aeciospores. Known local concentrations of the albino are several decades old, with relatively few new galls.
- 15154-68
OLIGOMYCIN TREATMENTS OF OAK WILT IN NORTHERN PIN OAKS.
W R Phelps J E Kuntz
Plant Dis Rep 51(3):160-163
Mar 1967 1.9 P69P
Quercus ellipsoidalis, Tree diseases, Wilt (*Quercus*).
University of Wisconsin, Wisconsin Conservation Department, and Nekosa Edwards Paper Company, cooperating.
Factors influencing the effectiveness of antibiotic treatments on the oak wilt organism in vivo and subsequent disease development were studied in woodland experiments involving large oak trees. Effects depended upon the method of application, time of inoculation, place of inoculation, concentration of inoculum, number of antibiotic injection points, volume of solutions introduced into the tree, concentration of antibiotic, number of treatments, and tree condition at the time of treatment.
- 15155-68
CROSS-TRANSMISSION STUDIES WITH CITRUS AND PRUNUS VIRUSES.
T S Pine
Plant Dis Rep 51(1):64
Jan 1967 1.9 P69P
Plant disease transmission, Prunus, Virus diseases (plants).
- 15156-68
INTRACELLULAR INCLUSIONS OBSERVED IN EPIDERMAL STRIPS FROM FOLIAGE OF CADANG-CADANG INFECTED COCONUT TREES IN THE PHILIPPINES.
D B Protalio
Plant Dis Rep 46(9):686-687
15 Sep 1962 1.9 P69P
Kadang-kadang (coconuts).
- 15157-68
TYPICAL FIELD SYMPTOMS OF PEA VIROSES PRODUCED IN GREENHOUSE BY DEFERRING INOCULATION UNTIL FLOWERING TIME OR LATER.
R Provvidenti W T Schroeder
Phytopathology 52(8):748
Aug 1962 464.8 P56
Greenhouse culture, Peas, Virus diseases (plants).
- 15158-68
EVALUATION OF SEED TREATMENT WITH 1,4-DICHLORO-2,5-DIMETHOXYBENZENE AS A COTTON SEEDLING DISEASE CONTROL MEASURE.
C D Ranney E G Rurchfield
Plant Dis Rep 51(7):558-562
Jul 1967 1.9 P69P
Cotton, Dichloro-2,5-dimethoxybenzene, 1,4-, Seed treatment.
- 15159-68
PRELIMINARY NOTE ON TRANSMISSION OF A VIRUS DISEASE RESEMBLING TUNGRO OF RICE IN INDIA AND OTHER VIRUS-LIKE SYMPTOMS.
S P Raychaudhuri M D Mishra A Ghosh
Plant Dis Rep 51(4):300-301
Apr 1967 1.9 P69P
Cicadellidae, Plant disease transmission, Rice, Virus diseases (plants).
A number of virus-like disorders of paddy have been observed, such as leaf yellowing, yellow dwarf, and grassy stunt, from different parts of India. Leaf yellowing symptoms with marked yellowing of the leaves is accompanied by reduction in tillering and stunting. Some of the glumes were empty. The disease was transmitted by the leafhopper *Neophotettix bipunctatus*. The incubation and acquisition feeding period for the vector was about 5 days. No transovarial transmission was observed, but the nymphs actively transmitted the virus. No inclusion bodies were found associated with this disorder. Some grasses were also observed that showed chlorosis and probably they may act as secondary hosts for the paddy virus. The other two types of virus-like symptoms, however, were not much prevalent.
- 15160-68
FUNGI ISOLATED FROM BLACK STEM OF ALFALFA AND THE INFLUENCE OF TEMPERATURE ON LESION FORMATION AND DISEASE SEVERITY.
B L Renfro M F Kernkamp
Phytopathology 53(7):774-777, TABS.
Jul 1963 464.8 P56
Alfalfa, Black stem (alfalfa), *Cercospora*, *Colletotrichum*, Cultural control (plant diseases), Fungarium, *Helminthosporium*, Rhoma, Phytopathology, Plant temperature, Pseudopeziza, Rhizoctonia, *Stemphylium*, *Verticillium*.
- 15161-68
LOSS IN OATS GROWN FOR FORAGE IN TEXAS DUE TO OCCURRENCE OF NEW RACES OF CROWN RUST.
L Reyes M C Putrell
Plant Dis Rep 46(12):835-837
15 Dec 1962 1.9 P69P
Crop losses, Crown rust (oats), Forage plants.
- 15162-68
A BIOASSAY FOR VOLATILE TOXICANTS FROM FUNGICIDES IN SOIL.
L T. Richardson D E Munnecke
Phytopathology 54(7):836-839
Jul 1964 464.8 P56
Biological assay, Chemical control (plant diseases), Fungicides, Volatile substances.
- 15163-68
THE ROLE OF SEED TRANSMISSION IN THE EPIDEMIOLOGY OF BEAN MOSAICS IN CENTRAL WASHINGTON.
R S Robertson Jr
Plant Dis Rep 46(2):71-72
15 Feb 1962 1.9 P69P

- Mosaic (beans), Washington.
- 15164-68
VECTOR SPECIFICITY OF THREE STRAINS OF BARLEY YELLOW DWARF VIRUS.
W F Rochow
Phytopathology 51(8):57R-57R
Aug 1961 464.8 P56
Yellow dwarf (barley).
- 15165-68
THE BIOLOGY AND ECOLOGY OF DENDROCTONUS VALENS FLEC., AND THE BIOLOGY, ECOLOGY, AND CONTROL OF DENDROCTONUS FRONTALIS (MEXICANS) ZIMM IN CENTRAL MEXICO (COLEOPTERA: SCOLYTIDAE).
W E Rose
Diss Abstr Sect B 27(11):04181B-4182B
May 1967 Z5055.U49D53
Beneficial insects, Carbaryl, Dendroctonus frontalis, Dendroctonus valens, Ethylene dichloride, Insect biology, Insect ecology, Insect outbreaks, Insect rearing, Ips monansae, Ips cribricollis, Lindane, Malathion, Pinus, Temperature.
- 15166-68
EFFECT OF IRRIGATION METHOD AND FREQUENCY ON DEVELOPMENT OF PHYTOPHTHORA INFESTANS ON POTATOES UNDER ARID CONDITIONS.
J Rotem J Palti E Rawitz
Plant Dis Rep 46(3):145-149
15 Mar 1962 1.9 P69P
Irrigation, Phytophthora infestans.
- 15167-68
TEMPERATURE CONVESSION OF RUST RESPONSE OF BEAN.
R D Schein
Phytopathology 51(7):486-488
Jul 1961 464.8 P56
Rust (beans), Temperature.
- 15168-68
STING NEMATODE ON GRAPE CUTTINGS IN FLORIDA.
N C Schenck J A Mortensen L R Stover
Plant Dis Rep 46(6):446-447
15 Jun 1962 1.9 P69P
Grapes, Plant diseases, Plant nematodes.
- 15169-68
PINE CONE BUST IN THE HIGHLANDS OF GUATEMALA.
E Schieher
Plant Dis Rep 51(1):44-46
Jan 1967 1.9 P69P
Guatemala, Pine cones, Rust (pinus).
- 15170-68
A DIFFERENCE IN THE TRANSLOCABILITY OF TWO VIRUSES IN BEAN PLANTS.
I R Schneider
Phytopathology 52(8):751
Aug 1962 464.8 P56
Beans, Mosaic (beans), Plant translocation, Ring spot (tobacco), Virus diseases (plants).
- 15171-68
BETA-GLUCOSIDASE ACTIVITY IN ERWINIA AMYLOVORA AND PSEUDOMONAS SYRINGAE.
M N Schroth D C Bildebrand
Phytopathology 54(8):906
Aug 1964 464.8 P56
Erwinia amylovora, Glucosidases.
- 15172-68
POPULATION TRENDS AND MOVEMENT OF CORYNEBACTERIUM FLACCUMFACIENS VAR. AUBANTIAUM IN TOLERANT AND SUSCEPTIBLE BEANS.
M L Schuster D P Coyne Kamla Singh
Plant Dis Rep 48(10):823-827
15 Oct 1964 1.9 P69P
Beans, Corynebacterium, Population.
- 15173-68
STUDIES ON THE ISOLATION OF THE STRAWBERRY LEAF SCORCH PATHOGEN DIFLOCAEFON FARLIANA.
D H Scott D Powell
Phytopathology 54(8):906-907
Aug 1964 464.8 P56
Leaf scorch (strawberries), Strawberries.
- 15174-68
SEROLOGICAL STUDIES OF RED NODE AND POD MOTTLE VIRUSES.
H A Scott M Vincent W J Zaunmeyer
Phytopathology 51(11):755-758
Nov 1961 464.8 P56
Pod mottle (beans), Red node (beans), Serological tests.
- 15175-68
DETECTION OF POTATO VIRUS X IN TUBERS BY THE BENTONITE FLOCCULATION TEST.
H A Scott R P Kahn J Bozicevich M M Vincent
Phytopathology 54(10):1292-1293
Oct 1964 464.8 P56
Bentonite, Flocculation.
- 15176-68
BACTERIAL BLACK SPOT OF RADISH.
R H Segall J J Swoot
Phytopathology 52(10):970-973
Oct 1962 464.8 P56
Bacterial black spot (radishes), Radishes.
- 15177-68
INTRACELLULAR LABELING OF TMV ANTIGEN WITH FERRITIN-ANTI-BODY CONJUGATE.
T A Shalla
Phytopathology 54(8):907
Aug 1964 464.8 P56
Antibodies, Labeling, Mosaic (tobacco).
- 15178-68
EFFECT OF PENTACHLORONITROBENZENE.
M N Shatla
Agr Chem 20(11):103
Nov 1965 381 AG8
Cotton, Pentachloronitrobenzene, Rhizoctonia solani.
- 15179-68
THE TRANSOVARIAL TRANSMISSION OF WOUND-TUMOR VIRUS.
S Shelley
Phytopathology 55(3):324-327, BIBL. 327
Mar 1965 464.8 P56
Agallia, Alfalfa, Plant disease transmission.
- 15180-68
COMPARATIVE EFFECTIVENESS OF SOME EQUIPMENT AND METHODS OF MEASURING LOW CONCENTRATIONS OF OZONE.
G Silber
Plant Dis Rep 46(3):137-139
15 Mar 1962 1.9 P69P
Ozone.
- 15181-68
THE EFFECT OF GROWTH SUBSTANCES ON VERTICILLIUM WILT OF.
A K Sinha R K S Wood
Ann Appl Biol 60 (1): 117-128 REF
Aug 1967 442.8 AN72
Gibberellic acid, Maleic hydrazide, Plant disease resistance, Plant regulators, Tomatoes, Verticillium albo-atrum, Wilt (tomatoes).
- 15182-68
DISTRIBUTION OF WOUND-TUMOR VIRUS ANTIGENS IN INTERNAL ORGANS OF AN INSECT VECTOR.
R C Sinha D V R Reddy
Phytopathology 54(8):908
Aug 1964 464.8 P56
Antigens, Immunochimistry, Insect vectors.
- 15183-68
CALCIUM NITRATE FOR FIELD CONTROL OF TOMATO SOUTHERN BLIGHT IN SOUTH CAROLINA.
W R Sitterly
Plant Dis Rep 46(7):492-494
15 Jul 1962 1.9 P69P
Calcium nitrate, Chemical control (plant diseases), Southern blight (tomatoes).
- 15184-68
THE EFFICACY OF VARIOUS FUMIGANTS IN CONTROLLING VERTICILLIUM WILT IN SOUTH-CENTRAL WASHINGTON.
C B Skotland
Agr Chem 20(5):97
May 1965 381 AG8
Fumigants, Fungus, Soil fumigation.
- 15185-68
A SEED-BORNE BEAN VIRUS OF WIDE HOST RANGE.
C B Skotland D W Burke
Phytopathology 51(8):565-568

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Beans, Seed-borne plant diseases.
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B C Smaile E A Wilson B L Keil
Phytopathology 54(7):748
Jul 1964 464.8 P56
Antibiotics, Plant biochemistry, Plant protective devices.
- 15187-68
SEASONAL FLUCTUATIONS IN SUSCEPTIBILITY OF YOUNG ELM SEED-
LINGS TO DUTCH ELM DISEASE.
E B Smailey
Phytopathology 53(7):846-853, TABS., PL.
Jul 1963 464.8 P56
Crop varieties, Dieback (ulmus), Plant disease resistance,
Seedlings, Ulmus.
- 15188-68
REDUCTION OF PEACH DECAYS BY HYDROCOOLING WITH CHEMICAL
SOLUTIONS AND CHEMICALLY TREATED ICE.
J L Smith Jr W H Redit
Plant Dis Rep 46(4):221-226, TABS
15 Apr 1962 1.9 P69P
Chemical control (plant diseases), Ice, Peaches.
- 15189-68
REPELLENCY OF REFLECTIVE ALUMINUM TO TRANSIENT APHID VIRAL
VECTORS.
P F Smith G V Johnson B P Kahn A Bing
Phytopathology 54(7):748
Jul 1964 464.8 P56
Aluminum, Insect repellents, Insect vectors,
Plant protective devices, Virus diseases (plants).
- 15190-68
URIDINE-H3 INCORPORATION IN TOBACCO INFECTED BY TOBACCO MO-
SAIC VIRUS.
S H Smith D E Schlegel
Phytopathology 54(12):1437
Dec 1964 464.8 P56
Mosaic (tobacco), Plant metabolism, Tobacco.
- 15191-68
GUMMY STEM BLIGHT RESISTANCE OF INTRODUCED WATERMELONS.
G Sowell Jr G R Painter
Plant Dis Rep 46(12):883-885
15 Dec 1962 1.9 P69P
Gummy stem blight (watermelons).
- 15192-68
EFFECT OF REMOVING THE TERMINAL BUD OF BEAN PLANTS UPON PRO-
TEIN CHANGES AFTER INFECTION BY THE BEAN RUST FUNGUS.
B C Staples
Phytopathology 54(8):909
Aug 1964 464.8 P56
Beans, Rust (beans).
- 15193-68
GENETICS OF RESISTANCE TO ERYSIPIHE POLYGONI IN TRIFOLIUM
PRATENSE.
J R Stavely E W Hanson
Phytopathology 57(2):193-197
Feb 1967 464.8 P56
Erysiphe, Fungus diseases (plants), Plant disease resistance,
Red clover.
- 15194-68
EFFECTS OF TEMPERATURE AND LIGHT ON PLANT SUSCEPTIBILITY TO
CUCUMBER MOSAIC VIRUS BY APHID TRANSMISSION.
M W Stimpman K G Swenson
Phytopathology 57(10):1072-1073
Oct 1967 464.8 P56
Aphididae, Mosaic (cucumbers), Plant temperature.
- 15195-68
STEMPHYLIUM RAY SPECK OF CHRYSANTHEMUM.
J Tamm
Phytopathology 53(7):749-754, BIBL., PL.
Jul 1963 464.8 P56
Chrysanthemum, Epidemiology, Pathogenesis,
Ray speck (chrysanthemum), Stemphylium.
- 15196-68
TOBACCO FLECK CONTROLLED WITH ANTIOXONANTS.
G S Taylor S Rich
Phytopathology 51(8):579
Aug 1961 464.8 P56
Tobacco.
- 15197-68
APPLE VARIETY RESISTANCE TO HELMINTHOSPORIUM LEAFSPOT.
J Taylor
Plant Dis Rep 48(12):954
15 Dec 1964 1.9 P69P
Apples, Helminthosporium.
- 15198-68
TRANSMISSION OF TOBACCO MOSAIC VIRUS IN TOMATO SEED.
R H Taylor R G Grogan K A Kimble
Phytopathology 51(12):837-842, BIBL. 842, TABS.
Dec 1961 464.8 P56
Mosaic (tobacco), Plant disease transmission, Tomatoes.
- 15199-68
A SECOND PATHOGENIC RACE OF PSEUDOMONAS SESAMI.
C A Thomas R G Orellana M L Kidman G W Rivers
Plant Dis Rep 46(4):248-250
15 Apr 1962 1.9 P69P
Pathogenesis, Pseudomonas sesami.
- 15200-68
STUDIES ON THE HOST RANGE OF WATERMELON MOSAIC VIRUS IN
HAWAII.
H H Toba
Plant Dis Rep 46(6):409-410
15 Jun 1962 1.9 P69P
Mosaic (watermelons).
- 15201-68
FACTORS AFFECTING FIELD PERFORMANCE OF NICKEL SALT PLUS DI-
THIOCARBANATE FUNGICIDE MIXTURES FOR THE CONTROL OF WHEAT
RUSTS.
Phytopathology 54(8):999-1008, TABS.
Aug 1964 464.8 P56
Chemical control (plant diseases), Fungicides,
Nickel compounds, Rust (wheat).
- 15202-68
LONGEVITY OF XANTHOMONAS MALVACEARUM IN DRIED COTTON PLANTS
AND ITS SIGNIFICANCE IN DISSEMINATION OF THE PATHOGEN ON SEED.
Phytopathology 54(8):1009-1011
Aug 1964 464.8 P56
Cotton, Seeds, Xanthomonas malvacearum.
- 15203-68
NITROGEN AS A FACTOR IN THE DEVELOPMENT OF EXOCORTIS OF CI-
TRUS.
Phytopathology 54(8):968-969
Aug 1964 464.8 P56
Citrus, Exocortis (citrus), Nitrogen.
- 15204-68
POTENTIAL PATHOGENICITY OF PYTHIUM ISOLATES FROM FOREST
NURSERIES.
O Vaartaja P J Salisbury
Phytopathology 51(8):505-507
Aug 1961 464.8 P56
Forest nurseries, Pythium.
- 15205-68
FUNGI ASSOCIATED WITH A WOOD WASP IN DYING PINES IN TASMAN-
IA.
O Vaartaja J King
Phytopathology 54(8):1031-1032
Aug 1964 464.8 P56
Hymenoptera, Pines, Wood destroying fungi.
- 15206-68
EVIDENCE FOR A CHEMICAL BASIS OF RESISTANCE OF LIMA BEAN
PLANTS TO DOWNY MILDW.
J R Valenta B D Sisler
Phytopathology 52(10):1030-1037, BIBL. 1037
464.8 P56
Downy mildew (lima beans), Lima beans, Plant biochemistry,
Plant disease resistance.
- 15207-68
LESION MATURATION, FUNGAL DEVELOPMENT, AND DISTRIBUTION OF
ENDOPOLYGALACTURONASE AND CELLULASE IN RHIZOCTONIA INFECTED
BEAN HYPOCOTYL TISSUES.
B D Van Etten D P Maxwell D P Bateman
Phytopathology 57(2):121-126
Feb 1967 464.8 P56
Beans, Cellulase, Rhizoctonia, Tissues.
- 15208-68
FAILURE TO CONFIRM THE SYNTHESIS OF TMV IN A CELLFREE SYS-
TEM.
A Van Kammen W N Takahashi

- Phytopathology 54(12):1437
Dec 1964 464.8 P56
Extracellular substances, Mosaic (tobacco).
- 152D9-68
OCCURRENCE OF TWO BACTERIAL DISEASES ON NEW HOSTS IN ISRAEL.
Z Volcani
Plant Dis Rep 46(12):893
15 Dec 1962 1.9 P69P
Bacterial diseases (plants), Israel.
- 15210-68
BACTERIAL SPOI DISEASE OF TOMATOES AND PEPPERS IN ISRAEL.
Z Volcani
Plant Dis Rep 46(3):175
15 Mar 1962 1.9 P69P
Bacterial spot (peppers), Bacterial spot (tomatoes), Israel.
- 15211-68
FILAMENT FCEN OF ERWINIA AMYLOVOBA.
J Voros
Phytopathology 54(8):911
Aug 1964 464.8 P56
Erwinia amylovora.
- 15212-68
RESULTS OF CHEMICAL DBENCHES IN THE CONTBOL OF SPRING DEAD SPOT OF BEHMUDA GRASS.
D F Wadsworth
Phytopathology 51(9):646
Sep 1961 464.8 P56
Cynodon dactylon, Spring dead spot (cynodon dactylon).
- 15213-68
EBADICATION OF SOIL FUNGI BY A COMBINATION OF CBOP BESIDUE, FLOODING, AND ANAEBOBIC FEBMENTATION.
B D Watson
Phytopathology 54(12):1437-1438
Dec 1964 464.8 P56
Fermentation, Floods, Fungicides, Plant residues, Soil fungi.
- 15214-68
SCOTYLID VECTOBS OF THE DUTCH ELM DISEASE IN ONTARIO.
W Y Watson W L Sippell
Can Entomol 93(5):403-405
May 1961 421 C16
Dieback (ulmus), Insect vectors, Ontario.
- 15215-68
TBE OCCUBRENCE AND DECLINE OF DOWNY MILDEW ON LIMA BEANS IN THE MIDDLE ATLANTIC STATES.
B E Wehster J MacLeod J W Beuberger
Phytopathology 54(7):749
Jul 1964 464.8 P56
Downy mildew (lima beans), Fungus diseases (plants), Lima beans, Mycology.
- 15216-68
TBE OBCHABD DEVELOPMENT OF PEACH POWDEBY MILDEW.
A B Weinhold
Phytopathology 51(7):47H-481
Jul 1961 464.8 P56
Powdery mildew (peaches), Sphaerotheca pannosa.
- 15217-68
METABOLITE CHANGES INDUCED BY CUCUMBER MOSAIC VIBUS IN BESISTANT AND SUSCEPTIBLE STBAINS OF COMPEA.
G W Welkie S F Yang G W Miller
Phytopathology 57(5):472-475
May 1967 464.8 P56
Coweas, Mosaic (cucumbers), Plant metabolism.
- 15218-68
TBANSMISSION OF DOWNY MILDEW OF LIMA BEANS BY SLUGS.
B E Wester B W Goth B E Webb
Phytopathology 54(7):749
Jul 1964 464.8 P56
Downy mildew (lima beans), Lima beans, Slugs.
- 15219-68
EFFECT CF GROWTH-REGULATING AND OTHER COMPOUNDS ON BACTERIAL SPOT CF PEPPER.
F J Wiebel D F Crossan D J Fieldhouse
Plant Dis Rep 51(4):320-322
Apr 1967 1.9 P69P
Bacterial diseases (plants), Bacterial spot (redpeppers), Mineral oil, Oils, Plant regulators, Bedpeppers (vegetable), Saccharin, Succinic acid, 2,2-dimethylhydrazide.
Fertility levels, bactericidal and non-bactericidal chemicals, and growth-retarding compounds were evaluated in the field for control of pepper bacterial spot and effect on plant morphology and yield. no treatment significantly reduced leaf fall although certain rates of N-dimethyl-amino succinamic acid (Alar), alone or in combination with slow release nitrogen, significantly reduced the severity of leaf infection. high rates of Alar significantly reduced fruit infection.
- 1522D-68
SEASONAL VABIATION IN THE INCIDENCE OF BADISH YELLOWS AND EFFECT OF CBOP ROTATION ON PLANT SURVIVAL AND YIELD.
J D Wilson
Plant Dis Rep 46(2):124-127
15 Feb 1962 1.9 P69P
Crop rotation, Plant disease resistance.
- 15221-68
IN VITBO INCBEASE IN VIBUS INFECTIVITY. II.
C E Yarwood
Plant Dis Rep 51(3):178-182 BEP
Mar 1967 1.9 P69P
Adenosine triphosphates, Caffeine, Magnesium silicate, Mosaic (sugar beets), Potassium phosphate, Sucrose, Sugar beets, Virus diseases (plants).
When young leaves of sugarbeet systemically infected with cucumber mosaic virus were ground with K2SO3 and water, diluted to D.5 percent leaf tissue and 0.1 percent K2SO3, used as inoculum immediately and after time intervals, the infectivity of this inoculum increased by an average of 6-fold in 20 minutes and as much as 132-fold in one test. the addition of caffeine, sucrose, magnesium silicate, and adenosine triphosphate (ATP) usually increased both the initial infectivity and the in vitro increase in infectivity of K2SO3-virus mixtures. the infectivity of such preparations usually began to decrease within 3 hours of preparation but the presence of ATP delayed this decrease. no claim of increase in virus is made.
- 15222-68
INFLUENCE OF IBBIGATION AND SOIL INFESTATION WITH STBAINS OF PHYTOPHTHOBA DBESCHLEBI ON ROOT BOT BESISTANCE OF SAFFLOWEB.
D E Zimmer A L Urie
Phytopathology 57(1D):1D56-1059
Oct 1967 464.8 P56
Plant disease resistance, Root rot (safflower).

Arthropods

- 15223-68
THREE PLANS FOB USING ACABICIDES TO CONTBOL MITES ON APPLE.
Asquith
J Econ Entomol 53(5):735-737
Oct 1960 421 J822
Acaricides, Apples, Aramite, Dicofol, Mites, Tetradifon.
- 15224-68
INTEBFEBENCE WITH THE BIOLOGICAL CONTBOL OF COTTONY-CUSHION SCALE BY INSECTICIDES AND ATTEMPTS TO BE-ESTABLIS A FAVOBA-BLE NATURAL BALANCE.
B B Bartlett C P Lagace
J Econ Entomol 53(6):1055-1058, 12 BEFS.
Dec 1960 421 J822
Biological control (insects), California, Citrus, DDT, Icerya, Malathion, Parathion, Rodolia.
- 15225-68
1967 INSECTICIDE RECOMMENDATIONS; PEACH INSECT CONTBOL (COMMEBCIAL).
M L Bohh
Va Polytech Inst Ext Circ 1007,4 P
Dec 1966 275.29 V81C
Chemical control (insects), Extension work, Insecticides.
- 15226-68
CONTROL OF THE EASTERN TENT CATERFILLAB, MALACOSOMA AMEBICANUM (FABBICIUS), BY DISTRIBUTION OF SPOBES OF TWO SPECIES OF CLOSTRIDIUM.
G E Bucher
J Invertebrate Pathol 3(4):439-445, 3 BEFS.
Dec 1961 421 JH26

20 15227-6B

Biological control (insects), *Clostridium malacosomae*, Fungi, *Malacosoma americanum*, Prunus.

15227-6B

SOIL TREATMENTS WITH BROADCAST OR BAND APPLICATIONS OF ORGANOPHOSPHORUS OF CARBAMATE INSECTICIDES FOR PREVENTION OF WIREWORM DAMAGE TO POTATOES.
R H Burrage J A Menzies E Zirk
J Econ Entomol 60(6):1489-1492
Dec 1967 421 JB22
Carbamates, Elateridae, Insecticide application, Insecticides, Plant injuries, Potatoes, Soil treatments.
Abstract

15228-6B

CONTROL OF THE PICKLEWORM ON CUCURBITS.
T D Canerday
J Econ Entomol 60(6):1705-1708 REF
Dec 1967 421 JB22
Carbaryl, Chemical control (insects), Crop yields, Cucumbers, *Diaphania nitidalis*, Lindane, Squash.
Abstract

15229-6B

RELATIVE EFFECTIVENESS OF RESISTANCE OF FIELD CORN TO THE EUROPEAN CORN BORER, *PYRAUSTA NUBILALIS*, IN CROP PROTECTION AND IN POPULATION CONTROL.
B C Chiang F G Holdaway
J Econ Entomol 53(5):918-924, 10 REFS., 9 TABS.
Oct 1960 421 JB22
Corn, Insect populations, Plant insect resistance, *Pyrausta*.

15230-6B

DISTRIBUTION OF DDT IN THE FOLIAGE OF TREATED TREES.
D E Donley
J Econ Entomol 60(6):1583-1585
Dec 1967 421 JB22
Dieldrin, Forest insects, Metabolites, Systemic insecticides, Trees.
Abstract:
daphnia pulex was used as the bioassay organism. distribution patterns were significantly better following root implants than following trunk implants.

15231-6B

BOLL WEEVIL SURVIVAL IN CAROLINAS HIGHER THAN IN 1961.
K Dorward
Agr Chem 17(5):60, 1D0
May 1962 381 AGB
Acyrtosiphon, *Anthonomus grandis*, *Chorizagrotis*, *Hypera*, *Schizaphis*.

15232-6B

VARIETY OF SOYBEAN INSECTS ARE ACTIVE IN SEVERAL STATES.
K Dorward
Agr Chem 17(11):119, 161
Nov 1962 381 AGB
Heliothis zea, Mites, *Musca*, Soybeans, *Spodoptera*.

15233-6B

EFFECT OF SUGARCANE BORER INFESTATION ON THE YIELD AND GRADE OF CORN.
E H Floyd D F Clover L F Mason
J Econ Entomol 53(5):935-937, 1 REF., 4 TABS.
Oct 1960 421 JB22
Corn, Crop yields, *Diatraea*, Endrin, Louisiana, Rice, Sorghum, Sugarcane.

15234-6B

PRELIMINARY LABORATORY TESTS UTILIZING *BEAUVERIA BASSIANA* (EALSAO) *VDILLEMIN* ON *CALOMYCTERUS SETARIDS* ROELOFS.
R D Frye E S Raun
J Invertebrate Pathol 3(3):332-333
Sep 1961 421 JB26
Beauveria bassiana, *Calomycterus setarius*, Insect pests, Parasitism, *Sitona cylindricollis*.

15235-6B

GPSY MOTH DEFOLIATION.
J W Gentry
Agr Chem 20(12):170
Dec 1965 381 AGB
Defoliation, Northeastern United States, *Porthetria*.

15236-6B

SPOTTED ALFALFA APHID SPREADS.
J W Gentry
Agr Chem 20(12):168
Dec 1965 381 AGB
Alfalfa, *Therioaphis*, United States.

15237-6B

SPICARIA RILEYI (FARLOW) CHARLES, AN ENTOMOGENODS PDNGDS OF TRICHOPLUSIA NI HUEBNER).
L W Getzin
J Invertebrate Pathol 3(1):2-10, 7 REFS., 5 TABS.
Mar 1961 421 JB26
Biological control (insects), Entomogenous fungi, Parasitism.

15238-6B

BIOLOGY OF THE BLACK CHERRY APHID IN THE WILLAMETTE VALLEY, OREGON.
J E Gilmore
J Econ Entomol 53(4):659-661
Aug 1960 421 JB22
Aphididae, Aphidins, Biology, Cherries, *Cycloneda*, *Ephedrus*, *Hippodamia*, Oregon, *Syrphus*.

15239-6B

SAFETY OF WILDLIFE IS IMPORTANT TO PLANNERS OF GNAT-CONTROL PROGRAM.
W Hazeltine
Agr Chem 17(12):12-14, 76
Dec 1962 381 AGB
Diptera, DDT, Insect control, Parathion, Pesticide residues, Wildlife.

15240-6B

THE CONTROL OF Poultry LICE AND MITES WITH SEVERAL ORGANIC INSECTICIDES.
R A Hoffman
J Econ Entomol 53(1):160-162, RIBL.
Feb 1960 421 JB22
Carbaryl, Coumaphos, Dicapthon, Mites, Poultry.

15241-6B

INSECTICIDAL CONTROL OF PAEDOGENETIC CECID LARVAE IN MDSB-ROOM BEES. I. INCORPORATION OF INSECTICIDES INTO COONPOST. II. INCORPORATION OF INSECTICIDES IN THE CASING LAYER.
N W Bussey I J Wyatt J T Hughes
J Sci Food Agr 12(1):1-2D-7
Jan 1961 382 S012
Aldrin, Benzene hexachloride, *Mayetiola*, Mushrooms.

15242-6B

THE INFLUENCE OF PHYSICAL STRESS ON GROWTH AND NUCLEAR POLYHELOSIS OF TRICHOPLDSIA NI (RDERNER).
R P Jacques
J Invertebrate Pathol 3(1):47-54, 16 REFS.
Mar 1961 421 JB26
Insect physiology, Polyhedrosis, Stress.

15243-6B

OVERWINTERING IN PEMPHIGDS RDSARIDS (L.).
F D Judge
Nature 216(5119):
09 Dec 1967 472 N21
Hibernation, Insect rearing, *Pemphigus bursarius*.

15244-6B

A DECLINE CONDITION IN PEARS INDUCED BY PEAR PSYLLA.
R L Lindner E C Enns N R Benson
Plant Dis Rep 46(1):59-6D
15 Jan 1966 1.9 P69P
Psylla pyricola.

15245-6B

BARK BEETLE MORTALITY IN PRECOMMERCIAL HERRICIDE THINNINGS OF WESTERN HEMLOCK.
J B McGhehey W P Nagel
J Econ Entomol 60(6):1572-1574
Dec 1967 421 JB22
Cacodylic acid, Chemical control (insects), Forest insects, Herbicides, Insect mortality, Thinning (trees), *Tsuga*.
Abstract

15246-6B

PRELIMINARY STUDY ON SOME OF THE FACTORS AFFECTING CONTROL OF WESTERN CORN ROOTWORM LARVAE WITH SOIL INSECTICIDES.
G J Musick M L Fairchild
J Econ Entomol 60(6):1522-1525
Dec 1967 421 JB22
Chemical control (insects), Corn, *Diabrotica virgifera*, Larvae, Phorate, Soils.
Abstract

15247-6B

GRASSHOPPER DAMAGE ON SHORT-GRASS RANGELAND OF THE SAN CARLOS APACHE INDIAN RESERVATION, ARIZONA.
N J Nerney
J Econ Entomol 53(4):640-646, TABS.

- Aug 1960 421 J822
Arizona, Grasses, Melanophus, Plant injuries.
- 15248-68
EFFECTS OF MULCHING AND NITROGEN ON CORN BORER SUSCEPTIBILITY IN CORN.
G P Offerman A J Pappelis J P Vavra
Phytopathology 57(10):1031-1033
Oct 1967 464.8 P56
Corn, Mulching, Nitrogen, Ostrinia.
- 15249-68
EFFECT OF SOIL TREATMENTS OF HEPTACHLOR AND PARATHION ON PREDATORS AND PARASITES OF ROOT MAGGOTS ATTACKING BUTABAGAS ON PRINCE EDWARD ISLAND.
D C Read
J Econ Entomol 53(5):932-935, 12 REFS.
Oct 1960 421 J822
Aleochara, Heptachlor, Hylemya, Parathion,
Prince Edward Island, Butabagas, Soil treatments.
- 15250-68
EFFECTIVENESS OF VARIOUS FORMULATIONS OF FIVE INSECTICIDES ON INSECTS INFESTING DOUGLAS-FIR LOGS.
J A Rudinsky L C Terriere D C Allen
J Econ Entomol 53(5):949-953, 14 REFS., 3 TABS.
Oct 1960 421 J822
Carbaryl, Dendroctonus, Endosulfan, Endrin, Heptachlor, Lindane, Logs, Pseudotsuga.
- 15251-68
LINDANE IN DIESEL OIL PREVENTS WESTERN PINE BEETLE ATTACKS FOR AT LEAST ONE YEAR.
R R Smith
J Econ Entomol 53(6):1746-1747
Dec 1967 421 J822
Dendroctonus brevicornis, Diesel fuels, Forest insects, Lindane, Oils.
Abstract:
results suggest that 2.5 per cent lindane in diesel oil will effectively prevent successful western pine beetle adult attack for at least one year on standing trees. further testing will be needed to determine any adverse effects of an oil spray on living trees.
- 15252-68
ESTIMATION OF MARINE-BORER ATTACK ON WOODEN SURFACES.
C C Walden I V F Allen P C Trussell
J Fish Res Board Can 24(2):261-272
Feb 1967 442.9 C16J
Marine borers, Wood.
Abstract
- 15253-68
A FUNGUS DISEASE OF THE SALT-MARSH CATERPILLAR IN ARIZONA.
G P Wene L W Sheets
J Econ Entomol 53(5):957, 2 REFS.
Oct 1960 421 J822
Arizona, Cotton, Estigmene, Fungus diseases (insects).
- 15254-68
STIMULATION OF HATCHING OF THE POTATO-ROOT EELWORM HETERODERA ROSTOCHIENSIS BY ION EXCHANGE RESINS.
C Ellenby L Smith
Nature 215(5101), 666
05 Aug 1967 472 N21
Heterodera rostochiensis, Ion exchange resins, Plant nematodes, Potatoes.
- 15255-68
DETERMINATION OF NEMATODE MORTALITY.
L M Fenner
Plant Dis Rep 46(5):383
15 May 1962 1.9 P69P
Mortality, Plant nematodes.
- 15256-68
FIELD TRIALS OF NEW NEMATOCIDES IN 1960 FOR CONTROLLING ROOT-KNOT NEMATODES.
J M Good
Phytopathology 51(9):643
Sep 1961 464.8 P56
Nematocides, Plant nematodes.
- 15257-68
CONTROL OF PLANT-NEMATODES AND WEEDS IN HOLLY NURSERIES.
F A Haasis J N Sasser
Plant Dis Rep 46(5):328-332, TABS
15 May 1962 1.9 P69P
Chemical control (plant diseases), Ilex, Plant nematodes, Weed control.
- 15258-68
CHEMOTHERAPEUTIC CONTROL OF A ROOT-KNOT NEMATODE.
A W Helton
Agr Chem 20(8):38
Aug 1965 381 AG8
Dimethoate, Drug therapy, Meloidogyne, Potatoes.
- 15259-68
PATHOGENICITY OF THE STUBBY ROOT NEMATODE TO ONION.
J K Hoff W F Mai
Plant Dis Rep 46(1):24-25
15 Jan 1962 1.9 P69P
Onions.
- 15260-68
A METHOD FOR ASSAYING NEMATOCIDAL ACTIVITY OF EXPERIMENTAL CHEMICALS.
D E Johnson Bert Lear
Plant Dis Rep 46(1D):742-743
15 Oct 1962 1.9 P69P
Chemical control (nematodes), Nematocides.
- 15261-68
SOIL FUMIGATION BY INJECTION AND IRRIGATION FOR THE CONTROL OF NEMATODES ON HOPS.
A R Maggenti
Plant Dis Rep 51(9):794-798
Sep 1967 1.9 P69P
Chemical control (nematodes), Dibromo-3-chloropropane, 1,2-, Hops, Injections, Irrigation, Meloidogyne, Plant nematodes, Soil fumigation, Xiphinema americanum.
Field trials with 1,3-d and DBCP were designed to study the efficacy of preplanting fumigation, the length of time of effectiveness of preplanting fumigation, and the efficacy of a postplanting fumigation in the second year. The best results were obtained when a preplanting fumigation with 6D gallons per acre of 1,3-d was followed in 1 year by DBCP at 2 1/2 gallons per acre in the first irrigation.
- 15262-68
ELIMINATION OF ROOT-KNOT NEMATODES FROM INFESTED SWEETPOTATO ROOTS AND PLANTS.
W J Martin
Plant Dis Rep 46(1):21-23
15 Jan 1962 1.9 P69P
Sweetpotatoes.
- 15263-68
CONTROL OF NEMATODES ON BLUE SPRUCE.
P Miller
Agr Chem 20(12):67
Dec 1965 381 AG8
Dibromo-3-chloropropane, 1,2-, Nematodes, Picea parryana.
- 15264-68
EFFECT OF FUNGICIDES ON THE LARVAL EMERGENCE OF THE TOBACCO CYST NEMATODE.
P M Miller G S Taylor E M Stoddard
Phytopathology 51(8):577-578
Aug 1961 464.8 P56
Fungicides, Larvae.
- 15265-68
HOST-PARASITE RELATIONSHIPS OF GARDEN BALSAM AND SOME NEMATODES.
R A Odibirin W R Jenkins
Phytopathology 54(7):748
Jul 1964 464.8 P56
Balsams, Nematology, Parasitology, Plant nematodes, Tree pathology.
- 15266-68
OBSERVATIONS ON COTTON ROOT-KNOT NEMATODE IN GRAIN SORGHUM IN WEST TEXAS.
C C Orr
Plant Dis Rep 51(1):29
Jan 1967 1.9 P69P
Root knot (cotton), Sorghum, Texas.

Nematodes

20 15267-68

15267-68

SPECIES OF ROOT-LESION NEMATODES COMMONLY ASSOCIATED WITH ECONOMIC CROPS IN THE DELTA OF THE U.A.R.

R A Oteifa

Plant Dis Rep 46(8):572-575

15 Aug 1962 1.9 P69P

Plant nematodes.

15268-68

NEW NEMATOCIDES.

V G Perry

Agr Chem 22(10):36-37

Oct 1967 381 AG8

Carbamates, Chemical control (nematodes), Nematocides, Organophosphorus compounds, Pesticide application, Plant nematodes.

Abstract:

dasinit (Bay 25141), Sarolex (Diazinon), Zinophos, Bay 68138, Du Nema (TR 285N), Lannate, Mocap (V-C 9-104), NIA 10242, Temek, TR 336N are briefly described.

15269-68

PLANT-PARASITIC NEMATODES ASSOCIATED WITH SHORTLEAF PINE SHOWING SYMPTOMS OF LITTLELEAF.

J L Ruehle

Plant Dis Rep 46(10):710-711

15 Oct 1962 1.9 P69P

Little leaf (Pinus), Pinus, Plant nematodes.

15270-68

PRELIMINARY STUDIES ON THE CONTROL OF NEMATODES IN OUTDOOR ROSE PLANTINGS.

A F Schindler T J Benneberry

Plant Dis Rep 46(8):610-613, BIEL. 612-613

15 Aug 1962 1.9 P69P

Chemical control (plant diseases), Plant nematodes.

15271-68

A NEW DISEASE OF SWAMP TUPELO.

E B Toole

Phytopathology 51(9):646

Sep 1961 464.8 P56

Nyssa, Swamps.

15272-68

INFLUENCE OF OXYGEN SUPPLY ON SURVIVAL OF PLANT PARASITIC NEMATODES IN SOIL.

S D Van Gundy L H Stolzy T E Szuszkiewicz R L Rackham

Phytopathology 52(7):628-632, BIEL. 632, TABS.

Jul 1962 464.8 P56

Oxygen, Plant nematodes, Soils.

15273-68

TRICRODORUS CHRISTIEI AS A VECTOR OF POTATO CORKY RINGSPOT (TOBACCO RATTLE) VIRUS.

C B Walkinshaw G C Griffin R R Larson

Phytopathology 51(11):806-808

Nov 1961 464.8 P56

Corky ringspot (potatoes), Rattle disease (tobacco).

15274-68

RECORD OF TWO LONGIDORUS SPECIES FROM SUDAN.

A M Yassin

Plant Dis Rep 51(1):30

Jan 1967 1.9 P69P

Malva, Mentha spicata, Sudan.

15275-68

A NEMATODE (MELOIDODERA SP) ON DOUGLAS-FIR MYCORRHIZAE.

E Zak

Plant Dis Rep 51(4):264

Apr 1967 1.9 P69P

Mycorrhiza, Plant nematodes, Pseudotsuga menziesii.

Abstract:

a new nematode, Meloidodera sp., was observed infecting mycorrhizae of a 20-inch dbh Pseudotsuga menziesii in western Oregon. only two of at least six morphologically distinct mycorrhizae on the root system were infected.

Weeds

15276-68

FOOD-PLANT SPECIES AND ELIMINATION OF DISEASE OF CINNABAR MOTH LARVAE, HYPOCRITA JACOBIAE (L.) (LEPIDOPTERA: ARCTIIDAE).

G E Bucher P Harris

Can Entomol 93(10):931-936

Oct 1961 421 C16

Biological control (weeds), Insect diseases, Insect nutrition, Larvae, Moths, Senecio jacobaea.

15277-68

RIBOFLAVIN-MEDIATED PHOTODECOMPOSITION OF AMITROLE IN RELATION TO CHLOROSIS.

P Castelfranco A Oppenheim S Yamaguchi

Weeds 11(2):111-115

Apr 1963 79.8 W41

Amitrole, Riboflavin.

15278-68

SHIFT TO CHEMICAL WEED CONTROL HASTENS CHANGE FROM MDLES TO TRACTORS.

Dumas

Agr Chem 20(3):30-34, 111-112

Mar 1965 381 AG8

Chemical control (weeds), Mules, Tractors.

15279-68

EFFECT OF INCORPORATION AND METHOD OF IRRIGATION ON PREEMERGENCE HERBICIDE.

L S Jordan R E Day W A Clerx

Weeds 11(2):157-160

Apr 1963 79.8 W41

Herbicides, Irrigation.

15280-68

INHIBITION OF PHOTOCHEMICAL ACTIVITY OF ISOLATED CHLOROPLASTS BY ACYLANILIDES.

D E Moreland K L Hill

Weeds 11(1):55-60, BIEL. 59-6D, TABS.

Jan 1963 79.8 W41

Chemical control (weeds), Chloroplasts, Herbicides, Photochemistry.

15281-68

AN OBSTACLE COURSE IN RAGWEED CONTROL.

R Shiffman

Agr Chem 20(2):28, 100-101

Feb 1965 381 AG8

Ambrosia, Pesticides, Weed control.

15282-68

HERBICIDAL CONTROL OF TALL LARKSPUR.

P J Torell R B Raas

Weeds 11(1):10-13, TABS., PLS.

Jan 1967 79.8 W41

Chemical control (weeds), Herbicides, Plant growth inhibitors.

15283-68

APPRAISAL OF BIOLOGICAL CONTROL OF ARCEUTHOBIDM CAMPYLOPODUM F. CAMPYLOPODUM BY COLLETOTRICHUM GLOEOSPORIOIDES.

E P Wicker

Plant Dis Rep 51(4):311-313 REP

Apr 1967 1.9 P69P

Arceuthobium, Biological control (weeds), Fungus diseases (plants), Parasitic plants, Pinus ponderosa, Tree diseases.

A damage appraisal of Colletotrichum blight of Arceuthobium campylopodum f. campylopodum on ponderosa pine growing near Spangle, Washington revealed that 35 to 67 percent of the dwarf mistletoe plants sampled were injured and 23.6 percent of the dwarf mistletoe shoots sampled were killed by the disease.

Other Pests

15284-68

THE RELATIVE RESISTANCE TO INSECT ATTACK OF THREE CABBAGE VARIETIES AT DIFFERENT STAGES OF PLANT MATURITY.

R K Chapman

Entomol Soc Amer Ann 58(6):897-902, 1 REP., 5 FIGS.

Nov 1965 420 EN82

Cabbage, Plant pest resistance, Plant physiology.

15285-68

SEASONAL SHIFTS IN THE RELATIVE RESISTANCE TO INSECT ATTACK OF EIGHT COMMERCIAL CABBAGE VARIETIES.

R K Chapman

Entomol Soc Amer Ann 58(6):892-897 5 REP., 6 FIGS.

Nov 1965 420 EN82

Cabbage, Climate, Pieris, Plant pest resistance, Trichoplusia, Weather.

15286-68

U.S.D.A'S LONG RANGE OBJECTIVES IN MEETING AGRICULTURAL PEST PROBLEMS.

E F Knippling

Agr Chem 18(11):53-54, 120

Nov 1963 381 AG8

Attractants, Biological control (pests), Pest control, Pesticides.

30 LIVESTOCK PROTECTION

15287-68

STUDIES ON AN IMMUNOGENIC AGENT AGAINST BRUCELLA ABORTUS. II. PRELIMINARY STUDIES OF AN IMMUNOLOGICALLY ACTIVE SOLUBLE AGGLUTINOGEN.

R C Allen

Amer J Vet Res 22(8):558-563

May 1961 41.8 AM3A

Bruceella abortus antigens, Immunization.

15288-68

VARIATIONS IN UTERINE RESPONSE TO EXPERIMENTAL INFECTION DUE TO THE HORMONAL STATE OF THE OVARIES. II. THE MORILIZATION OF LEUKOCYTES AND THEIR IMPORTANCE IN UTERINE BACTERICIDAL ACTIVITY.

A W Broome A J Winter S H McNutt L E Casida

Amer J Vet Res 21(83):675-681, TARS.

Jul 1960 41.8 AM3A

Hormones, Leukocytes, Ovaries, Uterus.

15289-68

USE OF EMULSIFIED FAT FOR INTRAPERITONEAL ALIMENTATION.

M J Burns C H Clark

Amer J Vet Res 22(86):147-149

Jan 1961 41.8 AM3A

Human nutrition.

15290-68

FECAL ELIMINATION OF ESTROGENS BY CATTLE TREATED WITH DIETHYLSTILBESTROL AND HEXESTROL.

M R Callantine M Stob P N Andrews

Amer J Vet Res 22(88):462-465

May 1961 41.8 AM3A

Cattle, Diethylstilbestrol, Excreta, Feces, Hexestrol.

15291-68

TRANQUILLISING HORSES WITH PROMAZINE HYDROCHLORIDE.

J S M Cosgrove S M Collins J P Kavenagh J S Cosgrove

Brit Vet J 116(1):31-33

Jan 1960 41.8 V643

Horses, Phenothiazine, Promazine hydrochloride.

15292-68

A SEMI-QUANTITATIVE DETERMINATION OF AFLATOXIN B IN GROUND-NUT MEAL, GROUNDNUTS AND PEANUT BUTTER.

H De Jongh

Vet Rec 76(34):901-903, 5 REPS., 2 TARS.

22 Aug 1964 41.8 V641

Aflatoxin, Chromatography, Peanut butter, Peanut meal, Peanuts.

15293-68

POTENCY TESTING OF LOW EGG PASSAGE MODIFIED LIVE-VIRUS RABIES VACCINES.

D J Dean I Sherman

22(89):644-649, TARS.

Jul 1961

Rabies virus, Vaccines, Viruses.

15294-68

THE POSITION OF THE CANINE PROSTATE GLAND.

N Gordon

Amer J Vet Res 22(86):142-146, RIRL. 146

Jan 1961 41.8 AM3A

Dogs, Glands (animals).

15295-68

THE AGES AT WHICH THE CENTERS OF OSSIFICATION APPEAR ROENTGENOGRAPHICALLY IN THE LIMB BONES OF THE DOG.

W C D Hare

Amer J Vet Res 22(90):825-835, RIRL. B35

Sep 1961 41.8 AM3A

Bones, Dogs, Extremities.

15296-68

VARIATION IN THE INFLAMMATORY RESPONSE AND BACTERICIDAL ACTIVITY OF THE SHEEP UTERUS DURING THE ESTROUS CYCLE.

H W Hawk G D Turner J P Sykes

Amer J Vet Res 22(89):689-692

Jul 1961 41.8 AM3A

30 15297-68

Bactericides, Leukocytes.

15297-68

THE MEASUREMENT OF BOVINE THYROID ACTIVITY USING LOW DOSAGES OF RADIOACTIVE IODINE I131.
J R Howes W A Higginbotham J F Gennaro J P Feaster
Amer J Vet Res 22(90):887-892, BIBL. 891-892
Sep 1961 41.8 AM3A
Cattle, Radioelements, Thyroid gland.

15298-68

INOCULATION OF MICROBES INTO THE INTESTINAL TRACTS OF SMALL ANIMALS.
R E Johnson D A Peterson
Amer J Vet Res 22(87):330-332
Mar 1961 41.8 AM3A
Animals, Immunization, Microorganisms.

15299-68

ERYTHROCYTE SURVIVAL STUDIES IN DOMESTIC AND BIGHORN SHEEP, USING GLYCINE-2-C14.
J J Kaneko C E Cornelius W P Heuschele
Amer J Vet Res 22(89):683-685
Jul 1961 41.8 AM3A
Bighorn sheep, Erythrocytes.

15300-68

THE EFFECTS OF EXOGENOUS TESTOSTERONE ON SPERMATOGENESIS OF BULLS.
C F Feinecke L E McDonald
Amer J Vet Res 22(87):209-216, BIBL. 214-215
Mar 1961 41.8 AM3A
Bulls, Spermatogenesis.

15301-68

ANTIBIOTIC MEDIUMS FOR THE ISOLATION OF VIRIOS FROM BULL SEMEN.
W N Plastryge M E Koths L F Williams
Amer J Vet Res 22(90):867-874
Sep 1961 41.8 AM3A
Antibiotics, Culture media, Semen.

15302-68

EFFECT OF CORTISONE ON LEPTOSPIRA POMONA INFECTION IN THE GUINEA PIG.
B L Schrickler L E Hanson
Amer J Vet Res 22(88):580-586, BIBL. 585, TABS.
May 1961 41.8 AM3A
Cortisone, Guinea pigs.

15303-68

STUDIES ON THE ERYTHROCYTE SEDIMENTATION RATE IN DOMESTIC ANIMALS. VII. BOULEAU FORMATION.
K Sesaki
Amer J Vet Res 22(87):319-323, BIBL. 322-323
Mar 1961 41.8 AM3A
Erythrocyte sedimentation reaction, Livestock.

15304-68

EFFECT OF DIET ON AORTIC RUPTURES IN TURKEYS INDUCED BY DIETHYLSTILBESTROL.
C F Simpson B H Harms
Poultry Sci 43(3):681-700
May 1964 47.8 AM33P
Aneurysms, Aorta, Diethylstilbestrol, Sex, Turkeys.

15305-68

EFFECT OF NATURALLY OCCURRING HIGHLY MINERALIZED WATER ON THE GROWTH OF LABORATORY ANIMALS.
B H Skold E Jensen
Amer J Vet Res 22(88):601-605, BIBL. 604, TABS.
May 1961 41.8 AM3A
Animal physiology, Laboratory animals, Water pollution.

15306-68

POST-TETANIC POTENTIATION IN SPINAL CORD OF NORMAL AND MYOCLONIC FIGS.
M W Stromberg R L Kitchell R C Callstrom
Amer J Vet Res 22(86):72-79
Jan 1961 41.8 AM3A
Spinal cord, Spine, Swine, Tetanus.

15307-68

THE ANTIGENIC STRUCTURE OF VIRULENT AND AVIRULENT STRAINS OF ERYSIPELOTHRIX RHUSIOPATHIAE. II. IMMUNOCHEMICAL AND SEROLOGIC INVESTIGATIONS.
M Truszczyński
22(90):839-845, TABS.
Sep 1961
Immunology.

15308-68

A RAPID, PERMANENT WRIGHT'S STAINING METHOD FOR CHROMOSOMES AND CELL NUCLEI.
H S Tubiasz
Amer J Vet Res 22(89):807-810
Jul 1961 41.8 AM3A
Animal genetics, Cell nucleus, Chromosomes.

15309-68

DETECTION OF LEPTOSPIRES IN NATURALLY INFECTED DOGS, USING FLUORESCENT-LABELED ANTIBODIES.
F H White R E Stollker M M Galton
Amer J Vet Res 22(88):650-654
Jul 1961 41.8 AM3A
Antibodies, Dogs, Leptospirosis.

15310-68

CHARACTERIZATION OF VIBRIO FETUS ANTIGENS. IV. STUDY OF POLYSACCHARIDE-ANTIBODY REACTIONS BY A RAPID SLIDE GEL DIFFUSION TECHNIQUE.
M Ristic D K Murty
Amer J Vet Res 22(89):775-789, TABS
Jul 1961 41.8 AM3A
Antibodies, Antigens, Polysaccharides.

15311-68

LEUKOSIS - TRANSMISSION BY BEETLES.
S C Schmitt C S Eidson J R Lal B B Goode
Amer Vet Med Ass J 147(12):1673-1674
15 Dec 1965 41.8 AM3
Alphitobius, Chickens, Coleoptera, Insect vectors, Leukosis.

Diseases

15312-68

REPORT ON THE PULLORUM DISEASE TESTING RESULTS FOR THE 32ND NORTHEASTERN CONFERENCE ON AVIAN DISEASES.
Avian Dis 4(4):547-548
Nov 1960 41.8 AV5
Animal diseases, Birds, Epizootic diseases, Poultry, Pullorum disease.

15313-68

THE ISOLATION OF INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS FROM CATTLE AFFECTED WITH CONJUNCTIVITIS-OBSERVATIONS ON THE EXPERIMENTAL INFECTION.
F R Abinanti G J Plumber
Amer J Vet Res 22(86):13-17
Jan 1961 41.8 AM3A
Bovine rhinotracheitis virus, Cattle, Conjunctivitis, Livestock diseases, Respiratory diseases, Virus diseases (animals).

15314-68

CULTIVATION OF MYCOPLASMA OF AVIAN ORIGIN.
H E Adler J Berg
Avian Dis 4(1):3-12, BIBL. 11-12
Feb 1960 41.8 AV5
Birds, Culture media, Mycoplasmosis.

15315-68

A HEAT-INACTIVATION TEST FOR DIFFERENTIATING SPECIFIC AND NONSPECIFIC AGGLUTINATION REACTIONS FOR BOVINE BRUCELLOSIS.
T E Amerault C A Manthei E R Goode Jr G Lamhart
Amer J Vet Res 22(88):564-569, TABS.
May 1961 41.8 AM3A
Brucellosis, Cattle.

15316-68

SALMONELLA AND SHIGELLA INFECTIONS IN RATS IN SELECTED AREAS OF COLOMBIA.
A A Arata J B Vaughn K W Newell R A J Barth M Gracian

- Amer J Trop Med Hyg 17(1):92-95, MAP
Jan 1968 44.8 AM326
Rats, Salmonella, Zoonoses.
- 15317-68
OBSERVATIONS ON THE COLONIAL MORPHOLOGY OF LEPTOSPIRES.
J C Armstrong H S Goldberg
Amer J Vet Res 21(81):311-315
Mar 1960 41.8 AM3A
Leptospirosis, Plant morphology.
- 15318-68
A SLIDE SMEAR TECHNIQUE FOR THE DIAGNOSIS OF
LABYNGOTRACHEITIS.
W R Armstrong
Avian Dis 3(1):80-84
Feb 1959 41.8 AV5
Diagnosis, Histology.
- 15319-68
ERYTHROCYTE SURVIVAL IN EXPERIMENTAL ANAPLASMOSIS.
N P Baker J W Osehold J P Christensen
Amer J Vet Res 22(88):590-596
May 1961 41.8 AM3A
Anaplasmosis, Erythrocytes.
- 15320-68
ISOLATION OF AN UNIDENTIFIED MYXOVIRUS FROM CHICKENS WITH A
RESPIRATORY DISEASE.
R A Bankowski R Corstvet W Philippo
Avian Dis 4(3):304-305
May 1960 41.8 AV5
Chickens, Myxoviruses, Respiratory diseases.
- 15321-68
TREATMENT OF CHRONIC RESPIRATORY DISEASE WITH TYLOSIN.
L E Barnes P O Gossett
Avian Dis 4(3):307
May 1960 41.8 AV5
Chronic respiratory disease, Drug therapy.
- 15322-68
TREATMENT OF EXPERIMENTAL INFECTIONS SINOSITIS OF TURKEYS
WITH ERYTHROMYCIN.
L E Barnes E E Ose P O Gossett
Avian Dis 4(2):176-187, BIRL. 186-187, TARS.
May 1960 41.8 AV5
Drug therapy, Erythromycin, Turkeys.
- 15323-68
ISOLATION AND PROPERTIES OF BOVINE HERPESVIRUS FROM A CALF
WITH RESPIRATORY DISEASE AND KERATOCONJUNCTIVITIS. (GE)
A Bartha M Juhasz B Liebermann B Rantschel P Schulze
Arch Exp Veterinarmed 21(2): 615-623 REF
May 1967 41.8 EX7
Cattle, Herpesviruses, Respiratory diseases.
Abstract
- 15324-68
THE HISTOPATHOLOGIC CHARACTERISTICS OF DISEASES PRODUCING
INFLAMMATION OF THE AIR SACS IN TURKEYS-A COMPARATIVE STUDY.
J N Reasley R W Moore J R Watkins
Amer J Vet Res 32(83):85-92, BIRL. 91, TARS.
Jan 1961 41.8 AM3A
Air sacs, Chronic respiratory disease, Ornithosis,
Pleuropneumonia-like organisms, Turkeys.
- 15325-68
THE ISOLATION AND PROPAGATION OF A NATURALLY OCCURRING TUR-
KEY LYMEHOID TUMOR BY CELLULAR TRANSPLANTS.
R C Redding V L Sanger
Amer J Vet Res 28(87):271-273
Mar 1961 41.8 AM3A
Turkeys.
- 15326-68
PHYSICOCHEMICAL PROPERTIES OF THE INFECTIONOUS BORSAL AGENT
(IBA).
W J Renton M S Cover J K Rosenherger B S Lake
Avian Dis 11(3):438-445 REF
Aug 1967 41.8 AV5
Antiseptics, Gumboro disease, Poultry, Properties.
Abstract:
the agent was inhibited by formalin and Wecodyne, but not
by phenol, merthiolate, Staphene, or Hyamine 2389. ether
and chloroform treatment had no deleterious effect on the
agent.
- 15327-68
STUDIES ON ENTEROVIRUSES OF THE PIG-V. THE EXPERIMENTAL
DISEASE INDUCED IN PATHOGEN-FREE, COLOSTRUM-DEPRIVED PIGS
BY THE T80 AND T52A STRAINS OF A SWINE POLIO-
ENCEPHALOMYELITIS VIRUS.
A O Betts A R Jennings
Res Vet Sci 1(2):160-171, TARS.
Apr 1960 41.8 R312
Colostrum, Enteroviruses.
- 15328-68
STUDIES ON ENTEROVIRUSES OF THE PIG-II.
A O Betts
Res Vet Sci 1(1):65-71
Jan 1960 41.8 R312
Baby pigs.
- 15329-68
A PRELIMINARY NOTE ON THE USE OF AN INACTIVATED VACCINE
AGAINST EQUINE PEST. (FR.)
P Bourdin J Monnier-Camhon
Acad Vet France Bull 40(4):187-191
Apr 1967 41.9 R24
African horse sickness, Horses, Immunization, Vaccines.
- 15330-68
SULFUR-SELENIUM-VITAMIN E INTERRELATIONS IN OVINE
NUTRITION.
P A Royazoglu R M Jordan R J Meade
J Anim Sci 26(6):1390-1396 REF
Nov 1967 49 J82
Selenium, Sheep, Sulfur, Vitamin e.
Abstract
- 15331-68
NON-SPECIFIC PLATE AGGLOUTINATION REACTIONS WITH PPLO
ANTIGEN.
C I Royer Jr J Fabricant J A Brown
Avian Dis 4(4):546-547
Nov 1960 41.8 AV5
Agglutination test, Antigens.
- 15332-68
AVIAN ENTERIC CYTOPATHOGENIC VIRUSES. I. ISOLATION.
C N Burke B E Luginbuhl E L Jungherr
Avian Dis 3(4):412-418
Nov 1959 41.8 AV5
Viruses.
- 15333-68
AVIAN ENTERIC CYTOPATHOGENIC VIRUSES. II. CHARACTERISTICS
OF A PROTOTYPE.
C N Burke B E Luginbuhl E L Jungherr
Avian Dis 3(4):419-427
Nov 1959 41.8 AV5
Viruses.
- 15334-68
STUDIES ON AVIAN ENCEPHALOMYELITIS. I THE USE OF A SERUM
-NEUTRALIZATION TEST IN THE DETECTION OF IMMUNITY LEVELS.
B W Calnek H Jehnrich
3(2):95-104, TARS.
May 1959
Immunity, Serum neutralization test.
- 15335-68
STUDIES ON AVIAN ENCEPHALOMYELITIS. II IMMUNE RESPONSES TO
VACCINATION PROCEDURES.
B W Calnek B Jehnrich
Avian Dis 3(3):225-239, BIBL. 238-239, TARS.
Aug 1959 41.8 AV5
Avian encephalomyelitis, Immunity.
- 15336-68
STUDIES ON AVIAN ENCEPHALOMYELITIS. III IMMUNE RESPONSE TO
BETA-PROPIOLACTONE INACTIVATED VIRUS.
B W Calnek P J Taylor
Avian Dis 4(2):116-122, BIRL. 121-122, TARS.
May 1960 41.8 AV5
Avian encephalomyelitis, Hydracrylic acid beta-lactone,
Immunity.
- 15337-68
THE DETECTION OF ANTIBODY AGAINST LEPTOSPIRA POMONA IN COM-
POSITE HERD MILK SAMPLES.
E A Carhrey R A Packer
Amer J Vet Res 22(88):573-579, TARS.
May 1961 41.8 AM3A
Antibodies, Milk analysis.

30 15338-68

- 15338-66
 SEROLOGICAL INVESTIGATION IN FRENCH CATTLE; RESEARCH ON
 HEMAGGLUTINATION INHIBITING ANTIBODIES DUE TO
 MYXOVIRUS PARAINFLUENZA-3. (FR)
 J Cherhy H G Petermann G Beranger J P Soulebot
 Rec Med Vet 143(8):755-765, MAP, REF.
 Aug 1967 41.8 R24
 Antibodies, Cattle, Hemagglutination, Parainfluenza-3 virus,
 Serological tests.
 Abstract
- 15339-66
 TISSUE CULTURE PROPAGATION AND PATHOLOGY OF A CELO VIRUS.
 T W Chomiak R E Luginbuhl C F Helmboldt
 Avian Dis 4(4):544-545
 Nov 1960 41.8 AV5
 Chicken embryo lethal orphan virus, Tissue culture,
 Virus diseases (animals).
- 15340-68
 REPORT OF THE COMMITTEE ON NOMENCLATURE AND REPORTING OF
 DISEASE, NORTHEASTERN CONFERENCE ON AVIAN DISEASE,
 JUNE, 1962.
 H L Chute M S Cover G H Snoeybos C I Angstrom
 Avian Dis 6(4):516-521, TABS.
 Nov 1962 41.8 AV5
 Chickens, Livestock diseases, Pullorum disease.
- 15341-68
 A QUANTITATIVE MEASUREMENT OF THE BLOOD LOSS CAUSED BY AN-
 CYLOSTOMIASIS IN DOGS.
 C H Clark J H Kling C H Woodley N Sharp
 Amer J Vet Res 22(88):370-373
 May 1961 41.8 AM3A
 Ancylostomiasis, Dogs.
- 15342-68
 ATYPICAL FASTEURELLA INFECTIONS IN CRICKENS.
 D S Clark J P Godfrey
 Avian Dis 4(3):280-290, TABS.
 May 1960 41.8 AV5
 Chickens, Fowl cholera.
- 15343-68
 NATURAL OCCURRENCE OF LEPTOSPIROSIS IN THE MEADOW VOLE, MI-
 CROTUS PENNSYLVANICUS.
 L G Clark J I Kresse R R Marshak C J Hollister
 Amer J Vet Res 22(90):949-950
 Sep 1961 41.8 AM3A
 Field mice, Leptospirosis.
- 15344-68
 STAINING FIXED PREPARATIONS OF CHICKEN BLOOD CELLS WITH
 COMBINATION MAY-GREENWALD-WRIGHT-PRLOXINE R STAIN.
 F W Cook
 Avian Dis 3(3):272-290
 Aug 1959 41.8 AV5
 Animal histology, Blood cells, Chickens.
- 15345-68
 CALCIUM GOUT (KALKGICHT) AND CALCINOSIS CIRCUMSCRIPTA IN
 DOGS.
 E Cotchin
 Brit Vet J 116(1):3-8, RIRL., PL
 Jan 1960 41.8 V643
 Calcinosis, Dogs, Gout.
- 15346-68
 THE EFFECT OF PARENTAL IMMUNITY AND AGE ON THE RESPONSE TO
 INFECTIOUS LARYNGOTRACHEITIS VACCINATION.
 M S Cover W J Renton W C Krauss
 Avian Dis 4(4):467-473, TABS.
 Nov 1960 41.8 AV5
 Immunity, Immunization, Infectious laryngotracheitis.
- 15347-68
 PULMONARY ADENOMATOSIS OF SHEEP-METASTASIZING BRONCHIOLAR
 TUMORS.
 A Cuba-Caparo E de la Vega M Copaira
 Amer J Vet Res 22(89):673-682, RIRL. 681-682
 Jun 1961 41.8 AM3A
 Neoplasms, Pulmonary adenomatosis, Sheep.
- 15348-68
 FLUORESCIN-LABELED ANTIBODY TECHNIQUE FOR IDENTIFICATION OF
 LEPTOSPIRAL SEROTYPES.
 W G Dacres
 Amer J Vet Res 22(88):570-572
 May 1961 41.8 AM3A
 Antibodies.
- 15349-68
 NEWCASTLE DISEASE IMMUNITY IN BROILERS AND CAPONETTES VAC-
 CINATED WITH KILLED-VIRUS AND LIVE-VIRUS VACCINES.
 A H Dardiri V J Yates P W Chang D E Fry
 Amer J Vet Res 22(86):93-98, TABS.
 Jan 1961 41.8 AM3A
 Immunization, Livestock diseases, Newcastle disease, Poultry,
 Viral vaccines.
- 15350-68
 VIRAL ENCEPHALOMYELITIS OF EQUINES AND DOMESTIC RUMINANTS IN
 THE NEAR EAST. I.
 R Daubney E A Mahlau
 Res Vet Sci 8(3): 375-397 REF
 Jul 1967 41.8 R312
 Equine encephalomyelitis, Horses, Ruminants.
 Abstract
- 15351-68
 STUDIES ON HEMOLYTIC ESCHERICHIA COLI ASSOCIATED WITH EDEMA
 DISEASE OF SWINE. I. SEPARATION AND PROPERTIES OF A TOXIN
 OF HEMOLYTIC ESCHERICHIA COLI.
 J W Davis R C Allen R M Smibert
 Amer J Vet Res 22(89):636-640
 Jun 1961 41.8 AM3A
 Edema disease, Swine, Toxins.
- 15352-68
 FOOT-AND-MOUTH DISEASE VIRUS- ITS BEHAVIOR IN CATTLE AFTER
 SERIAL PASSAGES IN CHICKEN EMBRYOS AND CHICKS.
 P D DeLay H Rozemeyer
 Amer J Vet Res 22(88):533-536
 May 1961 41.8 AM3A
 Cattle, Chicks, Foot-and-mouth disease virus.
- 15353-68
 ANTIBIOTIC RESISTANCE AND MUTATION RATES OF MYCOPLASMA.
 C H Domermuth
 Avian Dis 4(4):456-466, TABS.
 Nov 1960 41.8 AV5
 Antibiotics, Mutation, Pleuropneumonia-like organisms.
- 15354-68
 SOME OBSERVATIONS ON FIELD CASES OF FACIAL ECZEMA: LIVER
 PATHOLOGY AND DETERMINATION OF SERUM BILIRUBIN, CHOLESTEROL,
 TRANSAMINASE AND ALKALINE PHOSPHATASE.
 J Done P R Mortimer A Taylor
 Res Vet Sci 1(1):76-83
 Jan 1960 41.8 R312
 Aminotransferases, Bilirubin, Cholesterol, Facial eczema.
- 15355-68
 EXPERIMENTAL VISCERAL LARVA MIGRANS IN THE PIG.
 J T Done M D Richardson T E Gibson
 Res Vet Sci 1(2):133-151, TABS, RIRL.150-151
 Apr 1960 41.8 R312
 Baby pigs, Larvae.
- 15356-68
 EASTERN ENCEPHALITIS IN WHITE PEKIN DUCKLINGS ON LONG
 ISLAND.
 E Dougherty 3rd J I Price
 Avian Dis 4(3):247-258, RIRL. 255-258, PLS.
 May 1960 41.8 AV5
 Avian encephalomyelitis, Ducklings,
 Eastern equine encephalomyelitis, Pekin ducks.
- 15357-68
 ENZOOTIC NASAL ADENOCARCINOMA IN SHEEP.
 J R Duncan D E Tyler M J Van Der Maaten J R Andersen
 Amer Vet Med Ass J 151(6), 732-734.
 15 Sep 1967 41.8 AM3
 Adenocarcinoma, Livestock diseases, Sheep.
 Abstract
- 15358-68
 THE DETECTION OF ACUTE AVIAN LEUKOSIS AS A CONTAGIOUS
 DISEASE.
 W R Dunlop S D Kottaridis S C Smith R G Stront
 Poultry Sci 44(6):1537-1540
 Nov 1965 47.8 AM33P
 Avian leukosis complex, Chicks, Diagnosis.
- 15359-68
 THE RECOVERY OF BACTERIUM ANTHRAX (R5W. FROM ANIMALS.
 E M Ellis
 Amer J Vet Res 22(88):610-613
 May 1961 41.8 AM3A
 Animals.

- 15360-68
THE PROBLEM OF SALMONELLA ORGANISMS IN ANIMAL BY-PRODUCTS AND FEEDS.
E M Ellis E E Wedman
Amer Vet Med Ass J 142(3):291-292
01 Feb 1963 41.8 AM3
Animal nutrition, Feed, Salmonella, Salmonellosis.
- 15361-68
ELECTRON MICROSCOPY OF THE BOVINE HEART IN CONGESTIVE FAILURE OF HIGH MOUNTAIN DISEASE.
G P Epling
Amer J Vet Res 29(1):97-109 REF
Jan 1968 41.8 AM3A
Brisket disease, Cattle, Electron microscopy, Heart.
Abstract
- 15362-68
SEROLOGICAL STUDIES OF AVIAN PLEUROPNEUMONIA-LIKE ORGANISMS (PPLO) WITH EDWARD'S TECHNIQUE.
J Fabricant
Avian Dis 4(4):505-514, BIBL. 513-514, TABS.
Nov 1960 41.8 AV5
Pleuron pneumonia-like organisms, Serological tests.
- 15363-68
STUDIES OF EGG TRANSMISSION OF PPLO IN CHICKENS.
J Fabricant P P Levine R W Calnek H E Adler J E Berg
Avian Dis 3(2):197-222, TABS.
May 1959 41.8 AV5
Pleuron pneumonia-like organisms.
- 15364-68
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J Fabricant
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Cattle, Plaque.
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Brain, Clostridium perfringens bacterin, Enterotoxemia, Lambs, Serum albumin, Sheep.
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Brain, Clostridium perfringens bacterin, Enterotoxemia, Mice, Sheep, Toxins.
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Attapulgit, Diarrhea, Dogs, Streptomycin.
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Turkeys.
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Abstract
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Hydracrylic acid beta-lactone, Immunization, Swine, Vaccines.
Abstract
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Red water disease.
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PAGE 34

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Wood destroying fungi, Wood staining fungi.

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COMPARISON OF FIELD CORN VARIETIES FOR RESISTANCE TO CORN
EARWORM AND STORED GRAIN INSECT INJURY IN THE EVERGLADES.
V E Green Jr
Fla Entomol 42(1):11-16, 9 REFS., 1 TAB.
Mar 1959 420 P662
Corn, Crop varieties, Heliothis zea, Storage injuries.
- 15531-68
QUINOID SECRETIONS IN GRAIN AND FLOUR BEETLES.
B K Ladisch S K Ladisch P M Howe
Nature 215(5104), 939-940 REF
26 Aug 1967 472 N21
Flour, Grain, Quinones, Tenebrionidae.
- 15532-68
INFLUENCE OF PRE-STORAGE TREATMENTS ON THE MORTALITY OF THE
SAN JOSE SCALE (HOMOPTERA: DIASPIDIDAE) ON APPLES HELD
IN STORAGE.
C V G Morgan B J Angle
Can Entomol 99(9):975-978
Sep 1967 421 C16
Apples, Aspidiotus perniciosus, Chemical control (insects),
Diphenylamine, Ethoxyquin, Methanol, Mortality, Storage.
Abstract
- 15533-68
MORTALITY OF THE SAN JOSE SCALE (HOMOPTERA: DIASPIDIDAE)
ON STORED APPLES OF DIFFERENT VARIETIES AND HARVEST DATES.
G V G Morgan B J Angle
Can Entomol 99(9):971-974
Sep 1967 421 C16
Apples, Aspidiotus perniciosus, Chemical control (insects),
Crop varieties, Harvesting date, Mortality, Storage.
Abstract
- 15534-68
NOTE ON STAINING AS AN AID IN COUNTING VINEGAR EELWORMS IN
VINEGAR.
B Stein W V Eisenberg P M Brickey
Ass Offic Anal Chem J 50(3):519-520
Jun 1967 381 AS7
Filter paper, Food contamination, Nematodes, Staining,
Vinegar.
- 15535-68
A SURVEY TO DETERMINE THE SALMONELLA CONTAMINATION RATE IN
LIVESTOCK AND POULTRY FEEDS.
J N Allred J W Walker V C Real P W Germaine
Amer Vet Med Ass J 151(15):1857-1860 REF
15 Dec 1967 41.8 AM3
Feed, Food contamination, Livestock, Poultry, Salmonella,
Surveys.
Abstract:
this work indicates that a reduction in salmonella
contamination of animal by-product ingredients and the
pelletting of finished feeds would be the logical
approach to lower the salmonella rate in swine and
poultry feed.
- 15536-68
DESTRUCTION OF SALMONELLA DURING SLAUGHTERING OF SWINE;
IMPORTANCE OF SCALDING. (PE)
A Granville L Fievez J Van Roof P Ghenne A Lokolo
J Med Entomol 111_2):73-83
Mar 1967 421 J82E
Salmonella, Sanitation, Slaughtering, Swine.
English summary.
- 15537-68
DETECTION AND IDENTIFICATION OF SALMONELLA FROM DRIED WHOLE
EGG, DRIED EGG YOLK, AND DRIED EGG WHITE: REPORT OF A
COLLABORATIVE STUDY.
P L Poelma
Ass Offic Anal Chem J 50(4):753-763
Aug 1967 381 AS7
Agar, Eggs, Food contamination, Salmonella.
Abstract

50 15538-68

50 ENVIRONMENTAL CONTAMINATION

15538-68

CHARACTERIZATION OF THE PLANT DAMAGE PROBLEM BY AIR POLLUTANTS IN NEW JERSEY.
E Brennan I A Leone R H Daines
Plant Dis Rep 51(1D):850-854 MAP REF
Oct 1967 1.9 P69P
Air pollution, Ozone, Plant injuries, Sulfites, Sulfur dioxide.
Plant damage has been observed in New Jersey when elevated concentrations of sulfur dioxide, ozone, peroxyacetyl nitrate or bisulfite-addition product (possibly aldehyde) occur in the ambient air. Certain plant species can be cited as particularly sensitive to each of the pollutants. At present ozone appears to be the principal air pollutant from the point of view of number of plant species affected and the frequency of occurrences of phytotoxic levels. The extent of damage to a plant by a particular pollutant in any given year depends not only on the presence of a source for that pollutant and of plants susceptible to it, but also on the existence of meteorological factors that lead to air stagnation.

15539-68

THE BEHAVIOR OF INSECTICIDES IN FOREST SOILS.
S P Gessel D W Cole B Biekerk
6 P. (TYPEWRITTEN)
1967
Forest soils, Insecticide residues, Soil contamination.
Not in Nat. agr. libr.

15540-68

MICROCOLUMETRIC GAS CHROMATOGRAPHY ANALYSIS OF SELECTED HERBICIDES IN WATER.
D F Goerlitz W L Lamar
11 P.
Jan 1965
Chromatography, Colorimetry, D, 2,4-, Herbicide residues, T, 2,4,5-, Water pollution,
2-(2,4,5-trichlorophenoxy) propionic acid.
Not in nat. agr. libr.

15541-68

PERSISTENCE OF TWO SYSTEMIC CARBAMATE INSECTICIDES IN THREE TYPES OF SOILS.
D S Gupta W A Rawling
Indian J Entomol 28(4):482-493 REF
Dec 1966 420 IN23
Baygon, Carbamates, Insecticide residues,
Isopropyl-3-methylpyrazol-5-yl dimethylcarbamate, 1-,
Muck soils, Sand, Soil contamination, Systemic insecticides.

15542-68

VARIATIONS IN TOXICITY TO BLUEGILL SUNFISH OF PHENOXY HERBICIDES.
J S Hughes J T Davis
Weeds 11(1):50-53
Jan 1963 79.8 W41
Herbicides, Toxicology.

15543-68

BIOLOGICAL DECOMPOSITION OF HERBICIDES IN SOIL. I. MONO-AND DICHLOROACETATE AND DICHLOROPROPIONATE.
H L Jensen
J Sci Food Agr 12(1):I-22-4
Jan 1961 382 S012
Decomposition, Dichloropropionate, Sodium chloroacetate,
Soil microorganisms, Trichloroacetate.

15544-68

THE BEHAVIOR OF DDT AND ZECTRAN ON A FOREST SOIL.
H Biekerk
2 P. (TYPEWRITTEN)
Jan 1968
Carbamates, Chlorinated hydrocarbons, Ddt, Forest soils,
Insecticide residues, Soil contamination.
A progress report. not in Nat. agr. libr.

15545-68

METHODS FOR EXTRACTING INSECTICIDES FROM SOIL.
J I Teasley W S Cox
J Agr Food Chem 14(5):519-520
Sep 1966 381 JB223
Ddt, Endrin, Insecticide residues, Soil contamination.
Cotton field soil.

15546-68

ANALYTICAL PROCEDURES. IN METHODOLOGY.
N.P. (MICROGRAPHED)
1966
Water pollution.
Not in Nat. agr. libr.

15547-68

INSECTICIDE ANALYSIS PROCEDURES USED BY THE KLAMATH BASIN STUDY. (PAPER PRESENTED AT PACIFIC NORTH WEST POLLUTION CONTROL ASSOCIATION, VANCOUVER, B.C.).
B E White
N.P.
03 Nov 1965
Insecticide residues, Water pollution.
Not in Nat. agr. libr.

15548-68

WATER POLLUTION CONTROL AND ABATEMENT. TD420.W45.
T L Willrich N W Hines
194 P AMES, IOWA STATE UNIVERSITY PRESS,
1967
Conferences, Pesticides, Sedimentation, Water pollution.
Proceedings of an Iowa water resources pollution control and abatement seminar held at Iowa State University,
Ames, 1965.

55 RESIDUES

- 15549-68
RACREL CARSON INFLUENCE GAINS MOMENTUM AS BOOK APPEARS.
Agr Chem 17(11):46-50, 157-159
Nov 1962 381 AG8
Pesticides, Public health, Rachel Carson.
- 15550-68
EXTRACTION OF CHLORINATED PESTICIDE RESIDUES FROM NONFATTY SAMPLES OF LOW MOISTURE CONTENT.
P F Bertuzzi L Kamps C I Miles J A Burke
Ass Offic Anal Chem J 50(3):623-627
Jun 1967 381 AS7
Acetonitrile, Chlorinated hydrocarbons, Ddt, Dieldrin, Feed, Insecticide residues, Methoxychlor.
Mixture of 35 percent water plus acetonitrile most effective
Abstract
- 15551-68
NOTE ON EXTRACTION OF A POLAR INSECTICIDE (IMIDAN) FROM MILK.
M C Bowman M Beroza
Ass Offic Anal Chem J 50(4):940-941
Aug 1967 381 AS7
Imidan, Milk.
- 15552-68
DETERMINATION OF NIAGARA HIA-10242 AND ITS PHENOL DEGRADATION PRODUCT IN CORN SILAGE AND MILK AND DETERMINATION OF OTHER CARBAMATES BY GLC OF THEIR THIOPHOSPHORYL DERIVATIVES.
M C Bowman M Beroza
Ass Offic Anal Chem J 50(4):926-933
Aug 1967 381 AS7
Carbamates, Chromatography, Corn, Degradation, Insecticide residues, Milk, Phenols, Silage.
- 15553-68
INFRARED IDENTIFICATION OF CHLORINATED INSECTICIDES IN THE TISSUES OF POISONED FISH.
H W Royle R H Burttschell A A Rosen
19 P. REF. (MIMEOGRAPHED)
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Chlorinated hydrocarbons, Chromatography, Fishkill, Infrared spectra, Insecticide residues, Spectrophotometry, Water pollution.
Not in Nat. agr. libr.
- 15554-68
GUIDE TO THE ANALYSIS OF PESTICIDE RESIDUES. SB953.B8.
R P Burchfield D E Johnson E E Storrs
2 V. WASHINGTON, U. S. GOVERNMENT PRINTING OFFICE
1965
Handbooks, Pesticide residues.
- 15555-68
DDT IN HUMANS AND ANIMALS; DETERMINATION OF DDA IN URINE USING AN ION EXCHANGE RESIN.
C Cueto A G Barnes A M Mattson
J Agr Food Chem 4(11):943-945
Nov 1956 381 J8223
Ddt, Humans, Insecticide residues, Ion exchange resins, Urine.
- 15556-68
THE DETERMINATION OF CHLORINATED INSECTICIDES IN HUMAN BLOOD.
W E Dale et. al.
N.P. (TYPEWRITTEN)
1966
Blood, Chlorinated hydrocarbons, Humans, Insecticide residues.
Not in Nat. agr. libr.
- 15557-68
FISH, WILDLIFE UNAFFECTED BY BOLL WEEVIL PROGRAM.
K Dorward
Agr Chem 20(9):68
Sep 1965 381 AG8
Anthonomus grandis, Fish, Malathion, Pesticide residues, Wildlife.
- 15558-68
ANALYSIS OF CHLORINATED PESTICIDE RESIDUES IN FATS AND OILS, UTILIZING DIMETHYL SULFOXIDE: A COLLABORATIVE STUDY.
M Eidelman
Ass Offic Anal Chem J 50(3):591-595
Jun 1967 381 AS7
Chlorinated hydrocarbons, Chromatography, Dimethyl sulfoxide, Fats, Oils, Pesticide residues.
Abstract
- 15559-68
A SENSITIVE PROCEDURE FOR URINARY P-NITROPHENOL DETERMINATION AS A MEASURE OF EXPOSURE TO PARATHION.
J W Elliott K C Walker A E Penick W F Durham
J Agr Food Chem 8(2):111-113
Mar 1960 381 J8223
Dicaphon, Dinitrocresol, Humans, Insecticide residues, Parathion, Rats, Urine.
- 15560-68
RESIDUE STUDIES OF TOMATO FOLIAGE AND FRUITS FROM PLANTS RECEIVING PERC- "14 PRE-OR POST-EMERGENCE.
S C Fang E Fallin
Weeds 13(2):152-155, TARS.
Apr 1965 79.8 W41
Fruit, Herbicide residues, Leaves, Tomatoes.
- 15561-68
GAS CHROMATOGRAPHIC DETERMINATION OF RESIDUES OF ORGANOPHOSPHORUS PESTICIDES WITH A MODIFIED FLAME IONIZATION DETECTOR.
J H Ford M Beroza
Ass Offic Anal Chem J 50(3):601-604
Jun 1967 381 AS7
Chromatography, Ionization chambers, Organophosphorus compounds, Pesticide residues.
- 15562-68
STUDY OF MODIFICATIONS OF THE MILLS PROCEDURE FOR CHLORINATED PESTICIDES IN DAIRY PRODUCTS.
W B Furman N V Fehringer
Ass Offic Anal Chem J 50(4):903-908
Aug 1967 381 AS7
Aldrin, Chlorinated hydrocarbons, Dairy products, Dieldrin, Heptachlor, Insecticide residues, Lindane, Milk fat.
Abstract:
- 15563-68
DDT REPORTEDLY DISCOVERED IN ANTARCTIC SEALS AND FISH.
J L George
Agr Chem 20(9):59
Sep 1965 381 AG8
DDT, Pesticide residues, Wildlife.
- 15564-68
METABOLISM OF TOK HERBICIDE IN DAIRY COW.
W H Gutenmann D J Lisk
J Dairy Sci 50(9):1516-1518
Sep 1967 44.8 J822
Chromatography, Dairy cattle, Dichloro-4'-aminodiphenyl ether, 2,4-, Dichloro-4'-nitrodiphenyl ether, 2,4-, Herbicide residues, Metabolism.
- 15565-68
METHOD FOR RESIDUES OF ZYTRON, O-2,4-DICHLOROPHENYL O-METHYL ISOPROPYLPHOSPHORAMIDOTHIOATE, IN CHICKEN TISSUES AND EGGS.
M C Ivey H V Claborn R Brinkman
Ass Offic Anal Chem J 50(3):634-637
Jun 1967 381 AS7
Chickens, Chromatography, Eggs, Herbicide residues, Zytron.
Abstract
- 15566-68
DETERMINATION OF LINURON AND ITS KNOWN AND/OR SUSPECTED METABOLITES IN CROP MATERIALS.
S E Katz
Ass Offic Anal Chem J 50(4):911-917
Aug 1967 381 AS7
Carrots, Chromatography, Corn, Crops, Digitaria, Herbicide residues, Linnuron, Metabolism, Soybeans.
Abstract
- 15567-68
DEGRADATION OF CARBAMATE HERBICIDES IN SOIL.
D D Kaufman
J Agr Food Chem 15(4):582-591
381 J8223
Carbamates, Decomposition, Herbicide residues, Microorganisms, Soils.

55 15568-68

Abstract

15568-68

RAPID CLEANUP OF DAIRY PRODUCTS FOR ANALYSIS OF CHLORINATED INSECTICIDE RESIDUE BY ELECTRON CAPTURE GAS CHROMATOGRAPHY.
R E Langlois A R Steamp R J Liska
J Agr Food Chem 12(3):243-245

381 J8223

Chlorinated hydrocarbons, Chromatography, Dairy products, Ddt, Dieldrin, Endrin, Food contamination, Insecticide residues, Lindane.

15569-68

DETERMINATION OF DDT AND RELATED SUBSTANCES IN HUMAN FAT.
A M Mattson J T Spillane C Raker G W Pearce
Anal Chem 25(7):1065-1070, REF.
15 Jul 1953 381 J825A
Chlorinated hydrocarbons, Chromatography, Ddt, Humans, Insecticide residues, Spectroscopy.

15570-68

WACA DISCUSSIONS COVER 'SILENT SPRING'.
E J Meier
Agr Chem 17(11):64-67, 166
Nov 1962 381 AG8
Industry, Labeling, Legislation, Pesticides.

15571-68

METABOLISM OF DDT AND SOME OTHER CHLORINATED ORGANIC COMPOUNDS BY AEROBACTER AEROGENES.
J L Mendel A K Klein J T Chen M S Walton
Ass Offic Anal Chem J 50(4):897-903
Aug 1967 381 AS7
Aerobacter aerogenes, Aldrin, Chlorinated hydrocarbons, Chromatography, Ddt, Dieldrin, Insecticide residues, Metabolism, Methoxychlor, Tde.
Abstract:
aerobacter aerogenes can convert o,p'- and p,p'-DDT to their respective compounds. the organism is apparently not the mediator for the conversion of o,p'-DDT to p,p'-DDT in the rat. aldrin and dieldrin are not affected by this organism.

15572-68

SCREENING METHOD FOR THE DETECTION OF CHLORINATED HYDROCARBON PESTICIDE RESIDUES IN THE FAT OF MILK, CHEESE, AND BUTTER.
R P Moubry G R Myrdal H P Jensen
Ass Offic Anal Chem J 50(4):885-888
Aug 1967 381 AS7
Benzene hexachloride, Butter, Cheese, Chlorinated hydrocarbons, Chromatography, Ddt, Dieldrin, Insecticide residues, Milk fat.
Abstract

15573-68

LOSS OF CHLORINATED HYDROCARBON INSECTICIDES FROM SOIL SURFACE IN THE FIELD.
M S Mulla
J Econ Entomol 53(4):650-655, TABS.
Aug 1960 421 J822
Aldrin, Chlorinated hydrocarbons, DDT, Endrin, Hippolates, Insecticide residues, Soils.

15574-68

CORRELATION OF THE EFFECTS OF PARATHION ON ERYTHROCYTE CHOLINESTERASE WITH SYMPTOMATOLOGY IN PIGS.
W T Oliver R S Funnell
Can Entomol 22(86):80-84, IRL. 83-84
Jan 1961 421 C16
Cholinesterases, Erythrocytes, Parathion, Swine, Toxicology.

15575-68

SIMPLE ULTRASENSITIVE TEST FOR DETECTING PENICILLIN IN MILK.
J M A Palmer F V Kosikowski
J Dairy Sci 50(9):1390-1394 REF
Sep 1967 44.8 J822
Food contamination, Milk, Penicillin.
Abstract

15576-68

DETERMINATION OF ZECTAN RESIDUES IN AERIAL FOREST SPRAYING.
G W Pieper R F Miskus
J Agr Food Chem 15(5):915-916
Sep 1967 381 J8223
Aerial spraying, Choristoneura fumiferana, Chromatography, Forests, Insecticide residues, Pseudotsuga menziesii, Wildlife food plants.

15577-68

ACETONITRILE DILUTION: A POSSIBLE SOURCE OF ERROR IN THE "RAPID METHOD FOR CHLORINATED PESTICIDE RESIDUES IN NONFATTY FOODS".
M L Porter J A Burke P F Bertozzi
Ass Offic Anal Chem J 50(3):644-645
Jun 1967 381 AS7
Acetonitrile, Insecticide residues, Kale, Tde, Water.

15578-68

THE DETERMINATION OF PESTICIDES IN TISSUES WITH THE ELECTRON CAPTURE DETECTOR WITHOUT PRIOR CLEANUP.
J L Radomski V Fiserova-Bergerova
34(12):934-939
Dec 1965
Aldrin, Chromatography, Cleanup, Ddt, Dieldrin, Electron capture, Lindane.
Not in Nat. agr. libr.
in: Industrial Medicine and Surgery (see vol. and pp. above); at Libr. Cong., RC963 .A37.

15579-68

NOTE ON IDENTIFICATION OF AZINPHOSMETHYL IN HUMAN TISSUES. AND IN FIGS.
F Sa M E Da Silva
Ass Offic Anal Chem J 50(6):1258-1260
Dec 1967 381 AS7
Azinphosmethyl, Cattle, Figs, Homicides, Humans, Pesticide residues, Poisoning, Portugal, Tissues.

15580-68

RAPID SCREENING METHOD FOR DDT IN MILK WITH GAS CHROMATOGRAPHY.
M L Schafer K A Busch J E Campbell
J Dairy Sci 46(10):1025-1032, REF.
Oct 1963 44.8 J822
Chlorinated hydrocarbons, Ddt, Food contamination, Insecticide residues, Milk.
Abstract

15581-68

ESCAPE OF METHYL BROMIDE THROUGH WALLBOARDS.
P Simmons
J Sci Food Agr 12(4):207-R
Apr 1961 382 S012
Fiberboard, Methyl bromide.

15582-68

INVESTIGATIONS ON DURSAR INSECTICIDE. METABOLISM OF O,O-DIETHYL 0-3,5,6-TRICHLORO-2-PYRIDYL PROSPHOSPHOROTHIATE AND 3,5,6-TRICHLORO-2-PYRIDINOL IN PLANTS.
G N Smith R S Watson F S Fischer
J Agr Food Chem 15(5):870-877
Sep 1967 381 J8223
Absorption, Cranberries, Diethyl 0,3,5,6-trichloro-2-pyridyl phosphorothioate, 0,0-, Hydrogen-ion concentration, Insecticides, Plant metabolism, Radioactive tracers, Trichloro-2-pyridinol, 3,5,6-.
Abstract

15583-68

SIMULTANEOUS ELECTRON CAPTURE - MICROCOULOMETRIC DETECTION FOR QUALITATIVE AND QUANTITATIVE PESTICIDE ANALYSIS. (IN: GULF COAST SHELLFISH SANITATION RESEARCH CENTER. TECHNICAL MEMORANDUM (GCSSRC FY) 66 -2.).
R M Tyo
2 P. (MICROGRAPHED)
30 Nov 1965
Colorimetry, Electron capture, Food contamination, Insecticide residues, Shellfish.
Not in Nat. agr. libr.

15584-68

PPC (PLANT PEST CONTROL) MANUAL.
N.P.
0000
Manuals, Pesticide residues, Plant pest control.
Unpublished; not in Nat. agr. libr.; indexed from title only.

15585-68

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE OXYTETRACYCLINE.
Fed Regist 32(119):8825
21 Jun 1967 L1.451
Fish, Food additives, Food contamination, Oxytetracycline.

- 15586-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(119):8824-8825
21 Jun 1967 L1.451
Avocados, Cottonseed, Fungicides, Pesticide residues, Pineapples, Sugar beets.
- 15587-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(119):8824
21 Jun 1967 L1.451
Amiben, Field crops, Herbicide residues, Vegetables.
- 15588-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(118):8776
20 Jun 1967 L1.451
Citrus, Fungicides, Pesticide residues.
- 15589-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(114):8539
14 Jun 1967 L1.451
Herbicide residues, Lettuce.
- 15590-68
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES.
Fed Regist 32(119):8825
21 Jun 1967 L1.451
Agricultural products, Food additives, Lumber preservatives, Pentachlorophenol, Pesticide residues.
Use on wood in contact with raw agricultural products.
- 15591-68
DICAMBA AND ITS METABOLITE. NOTICE OF ESTABLISHMENT OF TOLERANCES.
Fed Regist 32(114):8539
14 Jun 1967 L1.451
Dicamba, Herbicide residues, Metabolites, Sorghum.
- 15592-68
DDT. PROPOSED ESTABLISHMENT OF PESTICIDE AND FOOD ADDITIVE TOLERANCES.
Fed Regist 32(112):858379
10 Jun 1967 L1.451
Ddt, Food additives, Rops, Insecticide residues.
- 15593-68
FOOD AND FOOD PRODUCTS. TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O-PHENYLPHENOL AND ITS SODIUM SALT.
Fed Regist 32(124):9159
28 Jun 1967 L1.451
Carrots, Food contamination, Peaches, Pesticide residues, Phenols, Plums, Sodium salts.
- 15594-68
FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. 1,1-BIS(P-CHLOROPHENYL)-2,2,2-TRICHLOROETHANOL.
Fed Regist 32(112):8359-834D
10 Jun 1967 L1.451
Dicofol, Food additives, Food contamination, Insecticide residues, Tea.
- 15595-68
FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. ETHION.
Fed Regist 32(123):9066
27 Jun 1967 L1.451
Ethion, Food additives, Insecticide residues, Raisins, Tea.
- 15596-68
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. THIABENDAZOLE.
Fed Regist 32(115):8587
15 Jun 1967 L1.451
Ascariasis, Feed additives, Food additives, Swine, Thiabendazole, Water.
- 15597-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(124):9178
28 Jun 1968 L1.451
Food contamination, Herbicide residues, Rice, Rice straw.
- 15598-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. PROCEDURAL REGULATIONS. FEES. SPECIFIC TOLERANCES. GENERAL PROVISIONS.
Fed Regist 32(119):8815-8816
21 Jun 1967 L1.451
Agricultural products, Pesticide residues, Pesticides.
- 15599-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(123):9114
27 Jun 1967 L1.451
Apples, Food contamination, Insecticide residues.
- 15600-68
EXTRACTION OF THE WATER WITH HEXANE FOLLOWED BY DETECTION AND ASSAY USING CHROMATOGRAPHS EQUIPPED WITH ELECTRON CAPTURE AND MICRO-COULOMETER DETECTORS.
N.P. (TYPEWRITTEN)
1966
Chromatography, Colorimetry, Electron capture, Food analysis, Food contamination, Hexane.
Not in Nat. agr. libr.
- 156D1-68
SWEEP CO-DISTILLATION CLEANUP OF MILK FOR DETERMINATION OF ORGANOPHOSPHATE AND CHLORINATED HYDROCARBON PESTICIDES.
R R Watts R W Storherr
Ass Offic Anal Chem J 5D(3):581-585
Jun 1967 381 AS7
Chlorinated hydrocarbons, Chromatography, Insecticide residues, Milk, Organophosphorus compounds.
Abstract:
this paper presents a rapid extraction and "sweep co-distillation" cleanup method for ten organophosphate and seven chlorinated pesticides in milk samples.

60 15602-68

60 TOXICOLOGY

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15611-68

DDT AND RELATED COMPOUNDS IN DOG FOOD AND CSMA MEDIA USED IN INSECT REARING.

G L Bolofson J L Bishop

J Econ Entomol 60 (4):1186-1187

15 Aug 1967 421 J822

Blattella germanica, Ddt, Dicofol, Dog foods, Food contamination, Insect rearing, Tde.

15612-68

LATE-SEASON CONTROL OF EUROPEAN ELM SCALE WITH BIDRIN TRUNK INJECTIONS.

B E Thompson

J Econ Entomol 60 (6):1745-1746

Dec 1967 421 J822

Bidrin, Chemical control (insects), Forest insects, Gossyparia spuria, Systemic insecticides.

15602-68

MAMMALIAN DETOXIFICATION OF INSECTICIDES.

A A deYakimac A Akin J Gabagan

Agr Chem 19(7):45,86-87, 4 TABS.

Jul 1964 361 AG8

Dimethoate, Mice, Parathion, Poisoning.

15603-68

LETHAL ENDRIN CONCENTRATION IN THE BLOOD OF GIZZARD SHAD.

W A Brungs D I Mcunt

J Fish Res Board Can 24 (2):429-431

Feb 1967 442.9 C16J

Blood, Endrin, Fish, Fishkill, Insecticide residues.

15604-68

ACUTE LEAD POISONING IN SWINE. (FR)

J Cristea

Rec Med Vet 143(8):749-754, REF.

Aug 1967 41.8 R24

Lead, Poisoning, Swine.

Abstract

15605-68

CHEMICAL STRUCTURE AND STERILIZING ACTIVITY OF N,N,O-ALKYLENEBIS-(1-AZIRIDINECARBOXYAMIDES) IN SCREW-WORM FLIES.

M M Crystal

J Econ Entomol 60 (4):1005-1007

15 Aug 1967 421 J822

Alkylenebis-(1-aziridinecarboxamides), N,N,O-, Chemosterilants, Cochliomyia hominivorax, Sterilization, Toxicology.

Abstract

15606-68

HEXANE EXTRACTABLE CHLORINATED INSECTICIDES IN HUMAN BLOOD.

W E Dale A Curley C Cueto

Life Sci 5(1):47-54, REF.

Jan 1966 442.8 L62

Blood, Chlorinated hydrocarbons, Dieldrin, Humans.

15607-68

EFFECTS OF ISOMERS OF DDD ON THYROID AND ADRENAL FUNCTION IN RATS.

M J Fregly I W Waters J A Straw

Can J Physiol Pharmacol 46(1):59-66, REF.

Jan 1968 444.8 C16

Adrenal glands, Isomerism, Tde.

15608-68

THE TOXICITY OF AMINOTRIAZOLE TC DOMESTIC ANIMALS. (GE)

R J Hapke

Zentralb Veterinarmed Reihe A 14(5):469-486, REF.

Aug 1967 41.8 Z5

Amitrole, Livestock, Toxicity.

15609-68

TOXICOLOGIC EFFECTS OF A PHOSPHOROTHIOIC ACID INSECTICIDE IN SHEEP.

B T McCarty M Baufiler C A McBeth

Amer Vet Med Ass J 152(3):279-281

01 Feb 1968 41.8 AM3

Insecticides, Laboratory animals, Phosphorothioic acid, Sheep, Toxicity.

Abstract:

no ill effects were caused in sheep after 187 consecutive doses of the phosphorothioic acid organophosphate, o,o',o'-tetramethyl o,o'-thiodi-p-phenylene phosphorothioate.

15610-68

TOXICOLOGIC EFFECTS OF A PHOSPHOROTHIOIC ACID INSECTICIDE IN CATTLE.

J S Palmer

Amer Vet Med Ass J 152(3):282-284

01 Feb 1968 41.8 AM3

Abnormalities, Cattle, Death, Insecticides,

Phosphorothioic acid, Toxicity.

Abstract:

exposure to oral dosages for 12 months displayed signs of toxicosis in cattle and abnormalities and early deaths

65 PLANT PHYSIOLOGY AND BIOCHEMISTRY

- 15613-68
PROSPHORUS FERTILIZATION AND THE PHYTOTOXICITY OF SIMAZINE.
R S Adams Jr
Weeds 13(2):113-116, TABS.
Apr 1965 79.8 W41
Fertilizers, Fosphorus, Simazine.
- 15614-68
VARYING THE EMS EFFECT ON BARLEY BY CHANGING THE VARIOUS TREATMENT AND POSTWASHING TEMPERATURES. (GE)
K Bender H Gaul
Radiat Bot 07 4), 289-301 REF
Aug 1967 450 R11
Barley, Ethyl methanesulfonate.
English summary
- 15615-68
FACTORS IN LIMA BEAN AND HEMP SEED REQUIRED FOR OOSPORE FORMATION BY SPECIES OF PHYTOPHTHORA.
HARNISH, W N.
L A Berg V G Lilly
54(8):895
Aug 1964
Hemp, Lima beans, Oospores, Phytophthora.
- 15616-68
TWISTED TWIG OF APPLE.
E C Blodgett M D Aichele
Phytopathology 54(12):1432
Dec 1964 464.8 P56
Apples.
- 15617-68
VIRUS-LIKE PARTICLES OF A PBACTION OF A STATOLON, A MOULD PRODUCT.
L P Ellis W J Kleinschmidt
Nature 215(5101), 649-650 BEP
05 Aug 1967 472 N21
Molds, Penicillium stoloniferum, Statolon, Viruses.
- 15618-68
MECHANISMS OF VARIATIONS IN VERTICILLIUM ALBO-ATRUM.
C Fordyce Jr R J Green Jr
54(7):795-798, BIBL. 798
Jul 1964
Mycology, Plant biochemistry, Verticillium albo-atrum.
- 15619-68
METABOLISM OF 2-CHLORO-4,5-DIMETHYLPHENYL N-METHYLCARBAMATE IN BEAN PLANTS.
A B Friedman A J Lemlin
J Agr Food Chem 15(4):642-647
Jul 1967 381 J8223
Beans, Carbon isotopes, Chloro-4,5-dimethylphenyl N-methylcarbamate, 2-, Metabolites.
Abstract
- 15620-68
PREVENTION OF PROTODYNAMIC KILLING OF FUNGAL CELLS BY CAROTENOID.
P D Golastrom
Phytopathology 53(7):746
Jul 1963 464.8 P56
Carotenoids, Fungi, Mycology, Photochemistry, Plant metabolism, Plant protective devices.
- 15621-68
INDUCED POLYGENIC MUTATIONS IN HEXAPLOID WHEATS.
Jv Goud
Radiat Bot 07 4), 321-331 REF
Aug 1967 450 R11
Ethyl methanesulfonate, Gamma rays, Mutations, Polyploidy, Wheat.
Abstract included.
- 15622-68
TOXIC BEHAVIOR OF TWO ITACONIMIDES.
B K Grover
Phytopathology 54(8):894
Aug 1964 464.8 P56
Fungicides.
- 15623-68
ISOLATION OF PHYTOPHTHORA MEGASPERMA VAR- SOJAE IN SOIL DILUTION PLATES.
J H Haas
Phytopathology 54(8):894
Aug 1964 464.8 P56
Culture media, Phytophthora megasperma.
- 15624-68
ASSOCIATION OF POLYGALACTURONATE TRANS-ELIMINASE WITH SOUTHERN ANTHRACNOSE BUT NOT WITH SPRING BLACK STEM OR STEMPHYLIUM LEAF SPOT OF ALFALFA.
J G Hancock R L Millar
Phytopathology 54(8):894
Aug 1964 464.8 P56
Alfalfa, Leaf spot (alfalfa), Plant biochemistry, Spring black stem (alfalfa).
- 15625-68
PYRIDINE NUCLEOTIDE-LINKED ENZYMIC REDUCTION OF TRIOSE, PENTOSE, AND HEXOSE PHOSPHATES ASSOCIATED WITH RUST INFECTION.
J W Hendrix J M Daly A Livne
54(8):895
Aug 1964
Hexoses, Pentoses, Reductases, Rust (wheat).
- 15626-68
SALT INJURY TO TREES.
F W Holmes
Phytopathology 51(10):712-718, BIBL. 717-718
Sep 1961 464.8 P56
Sodium chloride, Tree injuries.
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METABOLISM IN VITRO OF PHLORIDZIN AND OTHER COMPOUNDS BY VENTURIA INAEQUALIS.
J Holowczak J Kuc E R Williams
Phytopathology 52(10):1019-1023, TABS.
Oct 1962 464.8 P56
Chemicals, Phlorizin, Plant metabolism, Plant physiology, Venturia inaequalis.
- 15628-68
INHIBITION OF PLANT GROWTH BY HALOGENATED BENZOIC ACIDS.
C W Huffman E M Godar D C Torgeson
J Agr Food Chem 15(6):976-981
Nov 1967 381 J8223
Beans, Plant growth inhibitors, Plant regulators, Tomatoes, Triiodo benzoic acid, 2,3,5-.
Abstract
- 15629-68
PHENOTYPIC RESTORATION OF FERTILITY IN A MALE-STERILE MUTANT BY TREATMENT WITH GIBBERELIC ACID.
J N R Kasemhre
Nature 215(5101), 668
05 Aug 1967 472 N21
Barley, Breeding, Fertility, Gibberellic acid, Plant mutation, Sterility.
- 15630-68
COLOR FORMATION ON PHENOL-CONTAINING MEDIA AS RELATED TO LIGNIN BREAKDOWN BY WOOD-ROTTING BASIDIOMYCETES.
T K Kirk A Kelman
Phytopathology 54(8):897-898
Aug 1964 464.8 P56
Culture media, Lignin, Phenol reaction, Wood destroying fungi.
- 15631-68
EFFECT OF MAJOR AND MINOR GENE INTERACTION ON ADAPTIVE PARASITISM IN PHYTOPHTHORA INFESTANS.
W A Kodgson
Phytopathology 55(1):73-75, BIBL.
Jan 1965 464.8 P56
Genes, Parasitism, Phytophthora, Potatoes.
- 15632-68
AN ADENOSINE TRIPHOSPHATE-BINDING SUBSTANCE FROM CERATOCYSTIS ULMI.
R H Kertzman Jr
Phytopathology 54(11):1386-1388
Nov 1964 464.8 P56
Adenosine triphosphates, Dieback (ulms).

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LIGHT ABSORPTION BY LIVING MYCELIA OF FUNGI BEFORE AND AFTER
EXPOSURE TO NEAR-ULTRAVIOLET RADIATION.
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Phytopathology 54(12):1434-1435
Dec 1964 464.6 P56
Fungi, Radiation.
- 15634-68
EFFECT OF CERTAIN FUNGI ON THE GROWTH OF DWARF TOMATOES IN
GNOTOBIC TIC CONDITIONS.
D Lindsey
Phytopathology 54(8):899
Aug 1964 464.8 P56
Fungi, Tomatoes.
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DETECTION OF COMMON ANTIGENS OF APPLE VIRUS ISOLATES BY COM-
PLEMENT FIXATION.
R C McCrum
Phytopathology 54(8):900
Aug 1964 464.8 P56
Antigens, Complement fixation, Virus diseases (plants).
- 15636-68
TOLERANCES OF PICEA SPP TO A NEMATOCIDE.
P Miller
Agr Chem 20(12):67
Dec 1965 381 AG8
Dibromo-3-chloropropane, 1,2-, Picea.
- 15637-68
CONSTITUENTS OF THE COTTON BUD. THE CARBONYL COMPOUNDS.
J P Minyard J H Tinslinson A C Thompson P A Redin
J Agr Food Chem 15(3):517-524
May 1967 381 J8223
Anthonomus grandis, Attractants, Carbonyl compounds, Cotton.
Abstract:
the Boll Weevil Research Laboratory is investigating
cotton plant constituents to determine the nature of
those which are attractants for the boll weevil,
Anthonomus grandis.
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EFFECT OF CARBON SOURCE AND CALCIUM ON GROWTH OF PYTHIUM
ULTIMUM.
L D Moore
Phytopathology 54(8):901
Aug 1964 464.6 P56
Calcium, Carbon, Pythium ultimum.
- 15639-68
PATHOLOGICAL ANATOMY OF SCLEROTINIA TRIPOLIORUM ON CLOVER
AND ALFALFA.
G D Prior J H Owen
Phytopathology 54(7):784-787
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Alfalfa, Anatomy, Clover.
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CONTROL OF PATHOGENIC FUNGI, NEMATODES, AND WEEDS BY PRE-
PLANTING CHEMICAL TREATMENTS.
R W Rankin
Phytopathology 51(9):644-645
Sep 1961 464.8 P56
Fungi, Plant nematodes, Weeds.
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ACCUMULATION OF COPPER BY SOME ZAMBIAN PLANTS.
C Reilly
Nature 215(5101), 667-668
05 Aug 1967 472 N21
Copper, Plants.
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ANALYSIS OF PROTEINS AND ENZYMES OF THE INTERACTION BETWEEN
PHASEOLUS VULGARIS AND PSEUDOMONAS PHASEOLICOLA (HALO
BLIGHT OF BEANS).
K Rudolph
Phytopathology 54(8):904-905
Aug 1964 464.8 P56
Enzymes, Halo blight (beans), Plant biochemistry,
Pseudomonas phaseolicola.
- 15643-68
EFFECTS OF X-IRRADIATION OF SEED ON X-1 AND X-2 GENERATIONS
IN PINUS BANKSIANA LAMBERT.
T D Rudolph
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Pinus banksiana, X-rays.
Abstract included.
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NUCLEAR CONDITION AND DIVISION IN VEGETATIVE HYPAE OF RHIZOCTONIA SOLANI.
M M Shatla J B Sinclair
Phytopathology 54(8):907
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Cell nucleus, Cytology, Mitosis, Rhizoctonia solani.
- 15645-68
PECTIN TRANS-ELIMINASE AND POLYGALACTURONASE PRODUCTION BY
RHIZOCTONIA SOLANI AND OTHER FUNGI.
R T Sherwood
Phytopathology 54(8):907
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Fungi, Mycology, Pectinase, Pectins, Rhizoctonia solani.
- 15646-68
EFFECTS OF CHLOROPHENOXY HERBICIDES ON SOYBEANS.
R J Smith Jr
Weeds 13(2):168-169
Apr 1965 79.8 W41
Herbicides, Soybeans.
- 15647-68
EFFECTS OF SURFACTANTS ON FUNGI.
G W Steiner
Phytopathology 54(8):909
Aug 1964 464.8 P56
Fungi, Fungicides, Surface-active agents.
- 15648-68
FORMATION OF THE BASIDIAL STAGE OF SOME ISOLATES OF RHIZOCTONIA.
B M Stretton A B McKenzie K P Baker M T Plentje
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Sep 1964 464.8 P56
Mycology, Rhizoctonia.
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FIXATION OF HC14N BY FUNGI.
G A Strobel
Phytopathology 54(8):909
Aug 1964 464.8 P56
Fungi, Plant biochemistry.
- 15650-68
PROTEIN AND ISOZYME PATTERNS OF SWEET POTATOES AS RELATED TO
ACQUIRED IMMUNITY.
D J Weber M A Stahmann
Phytopathology 54(8):911-912
Aug 1964 464.8 P56
Immunology, Plant biochemistry, Proteins, Sweetpotatoes.
- 15651-68
PERMEABILITY CHANGES CAUSED BY VICTORIN.
R Wheeler
Phytopathology 51(9):646
Sep 1961 464.8 P56
Permeability, Victorin.
- 15652-68
PROPERTIES OF PURIFIED ACID PHOSPHATASES FROM HEALTHY AND
RUST-INFECTED BEAN LEAVES.
P H Williams R C Staples
Phytopathology 54(7):749
Jul 1964 464.8 P56
Acid phosphatase, Beans, Fungus diseases (plants), Leaves,
Phosphatases, Plant biochemistry, Rust (beans).
- 15653-68
RESPIRATION, PHOTOSYNTHESIS, AND DARK FIXATION OF C14O2 BY
HEALTHY AND RUSTED BEAN LEAVES.
A I Zaki C J Mirocha
Phytopathology 54(8):913
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Beans, Leaves, Photosynthesis, Plant respiration,
Rust (beans).
- 15654-68
RATES OF PRENOLIC SYNTHESIS IN POTATO ROOTS RESISTANT AND
SUSCEPTIBLE TO VERTICILLUM ALBO-ATRUM.
PATIL, S S.
M Zucker A E Diamond
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Plant disease resistance, Potatoes, Roots,
Verticillium albo-atrum.

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EFFECT OF CHLORAMPHENICOL ON THE CONCENTRATIONS OF FREE AMINO ACIDS AND AMIDES IN HEALTHY AND CUCUMBER MOSAIC VIRUS (CMV- Y) INFECTED PLANTS.
O P Sehgal
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Aug 1964 464.8 P56
Amides, Amino acids, Chloramphenicol, Mosaic (cucumbers), Plant biochemistry.
- 15656-68
SELECTIVE RESIDUE DETERMINATION OF SULFUR-, HALOGEN-, AND PHOSPHORUS-CONTAINING PESTICIDES BY HELIUM-PLASMA EMISSION SPECTROMETRY.
C A Rache D J Lisk
Ass Offic Anal Chem J 50(6):1246-1250
Dec 1967 381 AS7
Chromatography, Drugs, Pesticide analysis, Pesticide residues, Spectrometry.
Abstract
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INFRARED ABSORPTION SPECTRA AND POLYMERIC STRUCTURES OF THREE S-TRIAZINE HERBICIDES AND THEIR METABOLITES.
J-Y T Chen
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Jun 1967 381 AS7
Herbicides, Infrared spectra, Metabolites, Polymers, S-triazines.
Abstract
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ANALYSIS OF DURSBAN IN LIVESTOCK DIPS AND SPRAYS.
F P Czech
Ass Offic Anal Chem J 50(4):861-868
Aug 1967 381 AS7
Acaricides, Dipping, Dursban, Formulations, Infrared photography, Insecticides, Livestock, Spectrophotometry, Spraying, Ultraviolet rays.
Abstract:
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THE RELATION BETWEEN THE COMPOSITION OF PAROTID SALIVA AND MIXED SALIVA IN SHEEP DURING THE INDUCTION OF SODIUM DEFICIENCY.
A Dobson R N R Kay I McDonald
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Parotid gland, Saliva, Sheep, Sodium.
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Fungicides, Quaternary ammonium compounds.
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THIN LAYER CHROMATOGRAPHY OF SOME CARBAMATE AND PHENYLUREA PESTICIDES.
J M Pinocchio W R Benson
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Carbamates, Chromatography, Herbicide residues, Insecticide residues.
Abstract
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FACTORS AFFECTING THE VAPOR LOSS OF EPTC FROM SOILS.
R A Gray A J Weierich
Weeds 13(2):141-147, TABS.
Apr 1965 79.8 W41
Herbicide residues, Soil chemistry, Soils, Vapors.
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PESTICIDES' UNSUNG ASSISTANTS.
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DDT, Formulations, Insecticides, Malathion, Mineral oil, Solvents, Toxaphene.
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A MECHANISM FOR CONTINUOUS PRODUCTION OF HYDROGEN SULFIDE IN SOILS SUBMERGED IN WATER.
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Pentachlorophenol, Picloram, Plant regulators,
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Trichlorobenzoic acid, 2,3,6-.
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SUBJECT INDEX

Aedes taeniorhynchus

ABNORMALITIES

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ABORTION

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The susceptibility of honey bees of different ages to infestation by *Acarapis woodi* (Rennie). 14905

ACARIASIS

Experimentally induced bovine psoroptic acariasis in a rabbit. 15407

ACARICIDES

Three plans for using acaricides to control mites on apple. 15223

Acaricidal tests on the biarra strain of organophosphorus resistant cattle tick *Boophilus microplus* from southern Queensland. 15506

Analysis of Durshan in livestock dips and sprays. 15658

ACARINA

Life-history studies of *Amblyseius limonicus*, with comparative observations on *Amblyseius hibisci* (Acarina: Phytoseiidae). 14832

The ixodid ticks of Tanzania. a study of the zoogeography of the Ixodidae of an east African country. GL458.2Y2. 14848

ACER

Physiological factors in the etiology and alleviation of salt-induced decline of roadside maples and pines. 15102

ACETONITRILE

Extraction of chlorinated pesticide residues from nonfatty samples of low moisture content. 15550

Acetonitrile dilution: a possible source of error in the "rapid method for chlorinated pesticide residues in nonfatty foods". 15577

ACETYLCHOLINE

The occurrence of acetylcholine in the nervous tissues of American cockroaches. 14874

ACETYLCHOLINESTERASES

Inhibition of housefly acetylcholinesterase by carbamates. 14891

ACRETA

Effects of carbon dioxide anesthesia on the house cricket, *Acheta domestica* (Orthoptera: Gryllidae). 14932

ACID PHOSPHATASE

Properties of purified acid phosphatases from healthy and rust-infected bean leaves. 15652

ACIDS

The etiology of legume bloater-nonvolatile acids. 15457

ACRIDIDAE

Changes in haemolymph lipoproteins during locust flight. 14914

ACRIDINE ORANGE

Demonstration of *Anaplasma marginale* with the fluorescent dye, acridine orange; comparisons with the complement-fixation test and Wright's stain. 15682

ACTINOMYCETES CINNAMOMAEUS

Verticillate actinomycetes, producers of polyenic antibiotics. 15666

ACTINOMYCETES HACHIOJENSIS

Verticillate actinomycetes, producers of polyenic antibiotics. 15666

ACYETHOSIPHON

Boil weevil survival in Carolinas higher than in 1961. 15231

ACYRTHOSIPHON PISUM

Propagation of braconid parasites of the pea aphid. 14887

ADENOCARCINOMA

Enzootic nasal adenocarcinoma in sheep. 15357

ADENOSINE TRIPHOSPHATES

In vitro increase in virus infectivity. II. 15221

An adenosine triphosphate-binding substance from *Ceratocystis ulmi*. 15632

ADRENAL GLANDS

Effects of isomers of DDD on thyroid and adrenal function in rats. 15607

ADVERTISING

Opportunities and challenges are ahead for fertilizer industry. 15694

Aedes

Sampling studies with *Aedes vexans* and some other Wisconsin *Aedes* (Diptera: Culicidae). 14813

Aedes (Verrallina) of the Papuan subregion (Diptera: Culicidae). 14825

The effects of photoperiod and temperature on the induction of diapause in *Aedes triseriatus* (Say). 14900

Laboratory observations of aedine mosquito oviposition (Diptera, Culicidae, Aedes). 14976

Panel: opposing philosophies in mosquito control technology: emphasis on control of adult mosquitoes in Florida. 14980

Aedes Aegypti

Chemicals tested as space repellents for yellow-fever mosquitoes. II. carbanilates, benzamides, aliphatic amides, and imides. 14915

Susceptibility of mosquitoes to silica gel insecticides. 14920

Sperm depletion in chemosterilized and normal males of the yellow fever mosquito, *Aedes aegypti*. 14972

The influence of sublethal dosages of insecticides on the basal follicles of *Aedes aegypti* (L.). (abstract). 14986

Evaluation of thermal and nonthermal fogs against four species of mosquitoes. (abstract). 14987

Aedes nigromaculis

Cross-tolerance of California *Aedes nigromaculis* (Ludlow) larvae to EPN, Abate, and Durshan. (abstract). 14973

Biological activity of surfactants and some chemical intermediates against pre-imaginal mosquitoes. 14979

Aedes sollicitans

Preliminary observations on the incidence and biology of a nematode of *Aedes sollicitans* in Louisiana. (abstract). 14933

Aedes taeniorhynchus

New methods of introducing visual and auditory cues. (abstract). 14974

Evaluation of thermal and nonthermal fogs against four species of mosquitoes. (abstract). 14987

SUBJECT INDEX

AERIAL DUSTING

AERIAL DUSTING

Attraction of melon flies to lures on foliage or cane fibers at various heights. 14890

AERIAL PLANT DISEASE CONTROL

Effect of volume and variation in droplet size of spray applications from an air-carrier sprayer on control of three almond diseases. 15147

AERIAL SPRAYING

Determination of Zectran residues in aerial forest spraying. 15576

AEROBACTER AEROGENES

Metabolism of dDT and some other chlorinated organic compounds by Aerobacter aerogenes. 15571

AEROSOLS

The effectiveness of liquefied-gas-propelled concentrated allethrin aerosols and air-atomized dibrom aerosols against normal and resistant house flies. 14984

AFLATOXIN

A semi-quantitative determination of aflatoxin B in groundnut meal, groundnuts and peanut butter. 15292

AFRICAN HORSE SICKNESS

A preliminary note on the use of an inactivated vaccine against equine pest. 15329

Experimental transmission of African horse-sickness by means of mosquitoes. 15424

AFRICAN HORSE SICKNESS VIRUS

Buoyant density of African horsesickness virus. 15458

AFRICAN SWINE FEVER VIRUS

Synthesis and cytopathogenesis of African swine fever virus in porcine cell cultures. 15416

AGALLIA

The transovarial transmission of wound-tumor virus. 15179

AGAR

Immune response to a plant virus bound or serologically precipitated in agar. 14999

Detection and identification of salmonella from dried whole egg, dried egg yolk, and dried egg white: report of a collaborative study. 15537

AGGLUTINATION TEST

Non-specific plate agglutination reactions with PPLO antigen. 15331

AGRICULTURAL CHEMICALS

Wanted! An image for an industry. 15668

AGRICULTURAL EFFICIENCY

India can feed itself. 15693

AGRICULTURAL OUTLOOK

India can feed itself. 15693

AGRICULTURAL POLICIES

India can feed itself. 15693

AGRICULTURAL PRODUCTS

Notice of withdrawal of petition for food additives. 15590

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. procedural regulations. fees. specific tolerances. general provisions. 15598

AGRICULTURAL RESEARCH

A small self-propelled sprayer for agricultural research. 15683

AGROMYZIDAE

Parasites and predators associated with five species of leaf-mining insects in black locust. 14814

AIR FLOW

A ventilation unit for aerating insectary sleeve cages. 15690

AIR POLLUTION

Characterization of the plant damage problem by air pollutants in New Jersey. 15538

AIR SACS

The histopathologic characteristics of diseases producing inflammation of the air sacs in turkeys-a comparative study. 15324

ALBINISM

Albino Peridermium harknessii in ponderosa pine. 15153

ALDRIN

Soil treatments with insecticides for control of the eye gnats Hippelates collusor and H. hermsi. 14977

Insecticidal control of paedogenetic cecid larvae in mushroom beds. I. incorporation of insecticides into compost. II. incorporation of insecticides in the casing layer. 15241

Study of modifications of the Mills procedure for chlorinated pesticides in dairy products. 15562

Metabolism of dDT and some other chlorinated organic compounds by Aerobacter aerogenes. 15571

Loss of chlorinated hydrocarbon insecticides from soil surface in the field. 15573

The determination of pesticides in tissues with the electron capture detector without prior cleanup. 15578

Semi-automatic extraction of organic materials from water. public Health Service Water Pollution Surveillance System Applications and Development Report 16. 15665

ALBOCRARA

Effect of soil treatments of heptachlor and parathion on predators and parasites of root maggots attacking rutabagas on Prince Edward Island. 15249

ALFALFA

Rearing of three spotted alfalfa aphid Rymenopterus parasites for mass release. 14878

Propagation of braconid parasites of the pea aphid. 14887

Crown and root rots of alfalfa and red clover and the relative prevalence of associated fungi. 15007

Alfalfa mosaic virus transmitted through alfalfa seed. 15055

Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160

The transovarial transmission of wound-tumor virus. 15179

Spotted alfalfa aphid spreads. 15236

Association of polygalacturonate trans-eliminase with southern anthracnose but not with spring black stem or Stemphylium leaf spot of alfalfa. 15624

Pathological anatomy of Sclerotinia trifoliarum on clover and alfalfa. 15639

ALKALINE PHOSPHOMONOESTERASE

Alkaline phosphomonoesterase activity in insects. 2. Activity in various cell fractions from the blow fly Phormia regina. 14892

ALKALOIDS

Steroid alkaloids in the disease resistance of white potato tubers. 14995

ALKYLATION

Some biochemical effects of alkylating agents. 15676

ALKYLENEBIS-(1-AZIRIDINECARBOXYAMIDES), N,N'-

Chemical structure and sterilizing activity of N,N'-alkylenebis-(1-aziridinecarboxamides) in screw-worm flies. 15605

ALLETRIN

Studies on fine-particle, coarse-particle, and concentrated aerosols. 14948

The effectiveness of liquefied-gas-propelled concentrated allethrin aerosols and air-atomized dibrom aerosols against

SUBJECT INDEX

ANIMAL DISEASES

- normal and resistant house flies. 14984
- ALMONDS**
Hull rot disease of almonds. 15135
Effect of volume and variation in droplet size of spray applications from an air-carrier sprayer on control of three almond diseases. 15147
- ALPHITOBIIUS**
Leukosis - Transmission by beetles. 15311
- ALTERNARIA MACROSPORA**
Alternaria of cotton in Somalia. 15061
- ALUMINUM**
Repellancy of reflective aluminum to transient aphid viral vectors. 15189
- ALUMINUM HYDROXIDE**
Studies on pasteurellosis. IV. killed fowl cholera vaccine absorbed on aluminum hydroxide. 15381
- AMAUROPIDIIUS**
Soil fauna research in the forest of Maures (Var). the date of Fournel (Coleoptera). 14822
- AMBLIOMMA**
Field tests with insecticides for control of lone star ticks on cattle. 15502
- AMBLYSEIUS**
Life-history studies of Amblyseius limonicus, with comparative observations on Amblyseius hibisci (Acarina' Phytoseiidae). 14832
- AMBLYSEIUS BIBISCI**
Biotic potential of phytoseiid mites fed on virus-infected citrus red mites. 14950
- AMBLYSEIUS LIMONICUS**
Biotic potential of phytoseiid mites fed on virus-infected citrus red mites. 14950
- AMBROSIA**
An obstacle course in ragweed control. 15281
- AMERICAN FOULBROOD**
Resistance to American foul brood in honeybees. III. differential survival of the two kinds of larvae from two-drone matings. 14971
- AMIBEN**
Notice of filing of petition regarding pesticides. 15587
- AMIDES**
Effect of chloramphenicol on the concentrations of free amino acids and amides in healthy and cucumber mosaic virus (CMV- Y) infected plants. 15655
- AMINO ACIDS**
The effect of chlorinated C3 hydrocarbons on growth and amino acid production of indigenous soil bacteria. 15000
The amino acid and sugar compositions of healthy and anthracnose-infected watermelons. 15125
Effect of chloramphenicol on the concentrations of free amino acids and amides in healthy and cucumber mosaic virus (CMV- Y) infected plants. 15655
- AMINOTRANSFERASES**
Some observations on field cases of facial eczema: liver pathology and determination of serum bilirubin, cholesterol, transaminase and alkaline phosphatase. 15354
Transaminases and dehydrogenases in chicken plasma. 15678
- AMITROLE**
Biflavin-mediated photodecomposition of amitrole in relation to chlorosis. 15277
The toxicity of aminotriazole to domestic animals. 15608
Action and effectiveness of certain classes of herbicides. 15667
- AMMONIA**
A preliminary report on a potential new mosquito control weapon. 14982
Dry root rot of citrus induced by ammonia excreases. 14998
Ammonia injury to apples and peaches in storage. 15522
- AMMONIUM FLUORIDE**
Colonization of shortleaf pine stumps. 14990
- AMMONIUM FLUOSILICATE**
Control of the snake mite (Ophionyssus natricis), other mites, and certain insects with the sorptive dust, SG 67. 15507
- AMMONIUM SULFAMATE**
Colonization of shortleaf pine stumps. 14990
- AMPHIHALLOX**
Correlation of European chafer development with the flowering period of common plants. 14818
- ANAEROBIC BACTERIA**
Isolation of an anaerobic vibrio from a king penguin (Ap-tenodytes longirostris). 15368
- ANAPLASMOSIS**
Erythrocyte survival in experimental anaplasmosis. 15319
Studies in anaplasmosis. IV. Development of the causative agent in deer erythrocytes transfused into calves. 15398
Studies in anaplasmosis. III. An autoantibody and symptomatic macrocytic anemia. 15453
- ANASTREPHA LUDENS**
Dispersal and migration of tepa-sterilized Mexican fruit flies. 14842
Sexing of Mexican fruit flies. 14946
- ANATOMY**
Pathological anatomy of Sclerotinia trifoliarum on clover and alfalfa. 15639
- ANCYLOSTOMIASIS**
A quantitative measurement of the blood loss caused by ancylostomiasis in dogs. 15341
- ANEMIA**
Studies in anaplasmosis. III. An autoantibody and symptomatic macrocytic anemia. 15453
- ANESTHESIA**
Effects of carbon dioxide anesthesia on the house cricket, Acheta domesticus (Orthoptera: Gryllidae). 14932
- ANEURYSMS**
Effect of diet on aortic ruptures in turkeys induced by diethylstilbestrol. 15304
- ANIMAL ABNORMALITIES**
Spontaneous abnormal cardiac arrhythmias and conduction disturbances in the dog. A clinical and pathologic study of 3,000 dogs. 15427
- ANIMAL ANATOMY**
Comparison of heat and quick freezing for relaxing nematodes prior to permanent mounting. 15082
- ANIMAL BREEDING**
Avian infectious hepatitis III. Treatment of chickens in egg production. 15462
- ANIMAL DISEASE RESISTANCE**
Results of continuous low-level inoculations with Eimeria havis in calves. 15366
- ANIMAL DISEASES**
Report on the pullorum disease testing results for the 32nd northeastern conference on avian diseases. 15312
Bovine papular stomatitis. II. The experimentally produced disease. 15375
Nocardia asteroides as a mammary pathogen of cattle. I. The disease in cattle and the comparative virulence of 5 isolates. 15433

SUBJECT INDEX

ANIMAL GENETICS

Plasma enzyme levels in chickens, a measure of drug induced pathology. 15677

ANIMAL GENETICS

A rapid, permanent Wright's staining method for chromosomes and cell nuclei. 15308

ANIMAL HISTOLOGY

Staining fixed preparations of chicken blood cells with combination may-greenwald-wright-phloxine B stain. 15344

A quick method for the diagnosis of avian pox and infectious laryngotracheitis. 15463

ANIMAL NUTRITION

The problem of Salmonella organisms in animal by-products and feeds. 15360

Albicans infection in chickens. I. Effect of vitamin A nutritional factors influencing experimental Candida deficiency. 15393

ANIMAL PHYSIOLOGY

Effect of naturally occurring highly mineralized water on the growth of laboratory animals. 15305

ANIMAL RESPIRATION

Experimental production of complicated chronic respiratory disease infection ('air sac' disease). 15365

ANIMALS

Inoculation of microbes into the intestinal tracts of small animals. 15298

The recovery of Bacterium anitratum (R5v. from animals. 15359

ANOPHELES

Susceptibility of mosquitoes to silica gel insecticides. 14920

Experimental transmission of African horse-sickness by means of mosquitoes. 15424

ANOPHELES ALBIMANUS

Evaluation of thermal and nonthermal fogs against four species of mosquitoes. (abstract). 14987

ANOPHELES QUADRIACULATUS

St. Louis encephalitis vector studies in Houston, Texas. 14983

ANTENNAE

Reaction thresholds and specificity of an odor receptor on the antenna of Locusta. 14863

ANTHELMINTICS

Field trials with hygromycin as an anthelmintic in poultry. 15512

Anthelmintic activity of an organic phosphate in cattle and sheep. 15515

ANTHONYIIDAE

Diptera from Nepal. Anthonyiidae. 14800

ANTHONOMUS GBANDIS

Some histological aspects of the boll weevil. 14873

Several insects cause concern. 14991

Boll weevil survival in Carolinas higher than in 1961. 15231

Fish, wildlife unaffected by boll weevil program. 15557

Constituents of the cotton bud. the carbonyl compounds. 15637

ANTHRACNOSE (APPLES)

Cross-inoculation studies with four species of anthracnose fungi. 15010

ANTHRACNOSE (CUCUMBERS)

Anthrachnose, scab, and soil rot of cucumbers. 15131

ANTHRACNOSE (PIFEB NIGRUM)

Cross-inoculation studies with four species of anthracnose fungi. 15010

ANTHRACNOSE (TOMATOES)

Cross-inoculation studies with four species of anthracnose fungi. 15010

ANTHREUS FLAVIPES

Critical application of logistic principle on the laboratory population of Anthrenus flavipes Lec. 14856

ANTIBIOTICS

Sensitivity spectrum of Bacillus thuringiensis var. thuringiensis Berliner to antibiotics, sulfonamides, and other substances. 14895

Antibiotic treatment of young loblolly pines infected with fusiform rust. 15050

Studies on the control of black rot of crucifers by treating seeds with antibiotics. 15100

Factors in the production and stimulation of some antibiotics of fungal origin inhibiting the growth of pathogenic fungi. 15140

A survey of green plants for antimicrobial substances. 15186

Antibiotic mediums for the isolation of vibrios from bnil semen. 15301

Antibiotic resistance and mutation rates of mycoplasma. 15353

The emergence of resistant strains of Salmonella typhimurium in the tissues and alimentary tracts of chickens following the feeding of an antibiotic. 15370

The effects of antibiotics on experimental chronic respiratory disease in chickens. 15421

The effect of the use of antibacterial drugs, particularly as food additives, on the emergence of drug-resistant strains of bacteria in animals. 15467

Verticillate factinomyces, producers of polyenic antibiotics. 15666

Antibiotic streptogramin and process for preparation. patent 3,334,015. 15671

ANTIBODIES

Intracellular labeling of TMV antigen with ferritin-antibody conjugate. 15177

Detection of leptospirae in naturally infected dogs, using fluorescein-labeled antibodies. 15309

Characterization of Vibrio fetns antigens. IV. Study of polysaccharide-antibody reactions by a rapid slide gel diffusion technique. 15310

The detection of antibody against Leptospira posona in composite herd milk samples. 15337

Serological investigation in French cattle; research on hemagglutination inhibiting antibodies due to myxovirus parainfluenza-3. 15338

Fluorescein-labeled antibody technique for identification of leptospiral serotypes. 15348

High mortality in Florida swine herd infected with the encephalomyocarditis virus. an accompanying epizootiologic survey. 15369

Relationships between eastern and western equine encephalomyelitis viruses as demonstrated by the hemagglutination-inhibition antibody response of experimentally infected chickens. 15419

Factors affecting the production and detection of ornithosis antibodies in infected turkeys. 15425

Antibody response to a combined living attenuated distemper - hepatitis vaccine. 15434

An indirect gel diffusion precipitation test for the detection of rinderpest antibody in convalescent cattle. 15492

Bovine babesiosis. the passive immunization of calves against Babesia argentina with special reference to the

SUBJECT INDEX

ARTHRITIS

- role of complement fixing antibodies. 15517
- ANTIGENS**
Distribution of wound-tumor virus antigens in internal organs of an insect vector. 15182
Characterization of *Vibrio fetus* antigens. IV. Study of polysaccharide-antibody reactions by a rapid slide diffusion technique. 15310
Non-specific plate agglutination reactions with PPLO antigen. 15331
Production of foot-and-mouth disease virus with high complement-fixing antigenicity. 15428
An in vitro study of extracted antigens of *Vibrio fetus* isolates. 15454
Demonstrable antigens and a toxic factor in Oedema disease of swine. 15473
Detection of common antigens of apple virus isolates by complement fixation. 15635
- ANTISEPTICS**
Physicochemical properties of the infectiousursal agent (IEA). 15326
- ANTISERUM**
Cytogenetic alterations in swine kidney cells persistently infected with hog cholera virus and propagated with and without antiserum in the medium. 15437
- ANYSTIS**
Some observations on the fine structure of the midgut of the mite *Anystis* sp. 14969
- AORTA**
Effect of diet on aortic ruptures in turkeys induced by diethylstilbestrol. 15304
- APRELINIDAE**
A wide-range variable temperature cabinet for bio-ecological studies. 15689
- APHIDIDAE**
The hymenopterous parasites (Hymenoptera: Aphidiidae et Aphelinidae) of the pea aphid in eastern North America. 14830
Seasonal changes in the abundance of certain aphids and their predators in -giza.. 14854
The effects of photoperiod, temperature, and food supply on rate of development and diapause in *Coccinella novemnotata*. 14916
Simple screening test for systemic aphicides. 14921
Effects of temperature and light on plant susceptibility to cucumber mosaic virus by aphid transmission. 15194
Biology of the black cherry aphid in the Willamette Valley, Oregon. 15238
- APHIDIUS**
Biology of the black cherry aphid in the Willamette Valley, Oregon. 15238
- APHIDIUS SMITHI**
Propagation of braconid parasites of the pea aphid. 14887
- APHOLATE**
The effect of apholate and thiotepa on nucleic acid synthesis and nucleotide ratios in housefly eggs. 14930
- APIS MELLIFERA**
The pathogenicity for honey-bee larvae of microorganisms associated with European foulbrood. 14855
Notes: Electron microscopic investigation of sacbrood of the honey bee. 14865
The effects of sampling sites on Nosema determination. 14904
The susceptibility of honey bees of different ages to infestation by *Acarapis woodi* (Rennie). 14905
- APPLES**
The influence of spray programs on the fauna of apple orchards in Nova Scotia. XII. Second supplement to VII. Effects on beneficial arthropods. 14912
Studies on a virus causing stem grooving and graft-union abnormalities in Virginia Crab apple. 15001
Occurrence and amount of stem cavity russet on golden delicious apples. 15015
Apple variety resistance to *Helminthosporium* leafspot. 15197
Three plans for using acaricides to control mites on apple. 15223
Amonia injury to apples and peaches in storage. 15522
Influence of pre-storage treatments on the mortality of the San Jose scale (Homoptera: Diaspididae) on apples held in storage. 15532
Mortality of the San Jose scale (Homoptera: Diaspididae) on stored apples of different varieties and harvest dates. 15533
Notice of filing of petition regarding pesticides. 15599
Twisted twig of apple. 15616
- APTEMODITES**
Isolation of an anaerobic vibrio from a king penguin (*Ap-tenodytes longirostris*). 15368
- AQUATIC INSECTS**
Efficiency of granulated insecticides influenced by solvents used for impregnation. 1497R
- AQUATIC PLANTS**
Insecticidal and naturalistic control chironomid larvae in Lake Dalwigk, Vallejo, California. 14919
- ARAMITE**
Three plans for using acaricides to control mites on apple. 15223
- ARANEIDAS**
Life histories and habits of two species of Philodromms (Araneida: Thomisidae) in Ontario. 14936
- ARBOVIRUSES**
St. Louis encephalitis vector studies in Houston, Texas. 14983
- ARCEUTHORIUM**
Appraisal of biological control of *Arceuthobium campylopodum* by *Colletotrichum gloeosporioides*. 15283
- ARGAS**
The subgenus *Persicargas*, new subgenus (Ixodoidea, Argasidae, Argas). I. A. (P.) arhorens, an Egyptian Persicus-like parasite of wild bees, with a redefinition of the subgenus Argas. 14828
- ARGYRESTRIA**
Life history of the Monterey pine needle miner, *Argyresthia pilatella* (Lepidoptera: Yponomeutidae). 1489R
- ARIZONA**
Tristeza virus in Arizona citrus. 14996
Grasshopper damage on short-grass rangeland of the San Carlos Apache Indian Reservation, Arizona. 15247
A fungus disease of the salt-marsh caterpillar in Arizona. 15253
- ARMED FORCES**
Mosquito control activities of the U.S. Armed Forces in the Republic of Vietnam. 14975
Biology of vector-associated diseases in Vietnam. 15460
- ARTHRITIS**
Polyarthritis in sheep. I. Description of the disease and experimental transmission. 15408
Polyarthritis in sheep. II. Characterization of the causative virus. 15409

SUBJECT INDEX

ARTHROPODA

ARTHROPODA

- Ecology of an oasis. 14809
- Biology of vector-associated diseases in Vietnam. 15460
- Method for treating animals infested with pests of the phylum arthropoda. patent 3,367,831. 15508

ARTICHOKES

- Host range and properties of the globe artichoke curly dwarf virus. 15141

ASCARIASIS

- Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. food additives permitted in food for human consumption. thiazobenzodazole. 15596

ASCARIS

- Toxocara lesions stimulate those of Ascaris suum. 15456

ASCLEPIAS

- Feeding behavior of the large milkweed bug, Oncopeltus fasciatus. 14858

ASPERGILLOSIS

- Hatchery sanitation as a control measure for aspergillosis in fowl. 15496
- Aspergillosis experimentally produced in hatching chicks. 15500

ASPERGILLUS

- Isolation and characterisation of malformin. 15673

ASPIDIDIOTUS PERNICIOSUS

- Influence of pre-storage treatments on the mortality of the San Jose scale (Homoptera: Diaspididae) on apples held in storage. 15532
- Mortality of the San Jose scale (Homoptera: Diaspididae) on stored apples of different varieties and harvest dates. 15533

ASTER YELLOW (HARLEY)

- Comparison of aster yellows and harley dwarf viruses in two harley varieties. 15011

ASTER YELLOW (FLAX)

- Reduction of aster yellows. 15053

ATTAGENUS MEGATOMA

- Sex attractant of the black carpet beetle. 14954

ATTAPENOS

- Fumigant toxicity of 1,2,3-tribromopropene, ethyleneimine, crotyl bromide and carbon tetrachloride to stored-product insects. 14888

ATTAPOLGITE

- Treatment of diarrhoea in dogs. 15380

ATTRACTANTS

- Attraction of melon flies to lures on foliage or cane fibers at various heights. 14890
- La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. SB951.15. 14906
- New methods of introducing visual and auditory cues. (abstract). 14974
- USDA's long range objectives in meeting agricultural pest problems. 15286
- Constituents of the cotton bud. the carbonyl compounds. 15637

AUSTRIAN

- Japygidae of South America. 4. The genus Austrjapyx and descriptions of new species. 14843

AVIAN ENCEPHALOMYELITIS

- Studies on avian encephalomyelitis. II Immune responses to vaccination procedures. 15335
- Studies on avian encephalomyelitis. III Immune response to beta-propiolactone inactivated virus. 15336
- Eastern encephalitis in white Pekin ducklings on long

island. 15356

The development of a chicken embryo lethal strain of avian encephalomyelitis virus. 15413

Avian encephalomyelitis immunization with inactivated virus. 15459

AVIAN LEUKOSIS COMPLEX

The detection of acute avian leukosis as a contagious disease. 15358

Studies on the transmission and pathology of a viral-induced avian nephroblastoma (embryonal_nephroma). 15490

AVIAN POXVIRUSES

A quick method for the diagnosis of avian pox and infectious laryngotracheitis. 15463

AVITAMINOSIS

Alhicans infection in chickens. I. Effect of vitamin A nutritional factors influencing experimental Candida deficiency. 15393

AVOCADOS

Notice of filing of petition regarding pesticides. 15586

AZINPHOSMETBYL

Note on identification of azinphosmethyl in human tissues. and in figs. 15579

BABESIA ARGENTINA

Bovine babesiosis. the passive immunization of calves against Babesia argentina with special reference to the role of complement fixing antibodies. 15517

BABY PIGS

Studies on enteroviruses of the pig-II. 15328

Experimental visceral larva migrans in the pig. 15355

Demonstrable antigens and a toxic factor in Oedema disease of swine. 15473

BACILLUS

The effectiveness of commercial formulations of Bacillus thuringiensis Berliner on house-fly larvae. 14864

BACILLUS THURINGIENSIS

Pigment-producing variants of Bacillus thuringiensis Berliner from the silkworm. 14953

A bioassay technique for determining the insecticidal activity of preparations containing Bacillus thuringiensis Berliner. 14960

Feed additives for control of house fly larvae in livestock feces. 15503

Dust containing Bacillus thuringiensis for control of chicken body, shaft, and wing lice. 15504

BACITRACIN METHYLENEDISALICYLIC ACID

Notice of filing of petition for food additives. 15482

BACTERIA

The effectiveness of commercial formulations of Bacillus thuringiensis Berliner on house-fly larvae. 14864

Esterases of crystalliferous bacteria pathogenic for insects: epizootiological applications. 14929

Bacterial pathogens in Iowa corn insects. 14940

The effect of the use of antibacterial drugs, particularly as food additives, on the emergence of drug-resistant strains of bacteria in animals. 15467

BACTERIAL BLACK SPOT (RADISBES)

Bacterial black spot of radish. 15176

BACTERIAL DISEASES (PLANTS)

Occurrence of two bacterial diseases on new hosts in Israel. 15209

Effect of growth-regulating and other compounds on bacterial spot of pepper. 15219

SUBJECT INDEX

RETA BAYS

- BACTERIAL SPOT (PEACHES)**
Control of bacterial spot of peach. 15030
Dodine (Cyrex) effective against bacterial spot of peach. 15032
- BACTERIAL SPOT (PEPPERS)**
Bacterial spot disease of tomatoes and peppers in Israel. 15210
- BACTERIAL SPOT (PEPPERS)**
Effect of growth-regulating and other compounds on bacterial spot of pepper. 15219
- BACTERIAL SPOT (TOMATOES)**
Bacterial spot disease of tomatoes and peppers in Israel. 15210
- BACTERIAL VACCINES**
Studies on pastenrellosis. IV. Killed fowl cholera vaccine adsorbed on aluminum hydroxide. 15381
Studies on pastenrellosis. III. Control of experimental fowl cholera in chickens and turkeys with an emulsified killed vaccine. 15382
- BACTERIAL WILT (TOBACCO)**
The influence of reducing substances on resistance to bacterial wilt of tobacco. 15119
- BACTERICIDES**
Variation in the inflammatory response and bactericidal activity of the sheep uterus during the estrous cycle. 15296
- BACTERIOLOGY**
Further studies on the causative organism of ulcerative enteritis. 15429
A bacterial agent causing bluecomb disease in turkeys. I. Isolation and preliminary laboratory investigations. 15480
- BALSAMS**
Mined buds, a hibernation site for spruce budworm. 14804
Host-parasite relationships of garden balsam and some nematodes. 15265
- BANANAS**
Peroxidases and their relation to vascular browning in banana roots. 15117
- BARLEY**
Comparison of aster yellows and barley dwarf viruses in two barley varieties. 15011
The effect of pericarf on covered smut infection of naked barley varieties. 15096
Nucleotide composition of BNA in healthy and mildew-infected leaves of barley. 15120
Effect of moisture content and length of storage period upon germination percentage of seeds of corn, wheat, and barley free of storage fungi. 15524
Varying the EMS effect on barley by changing the various treatment and postwashing temperatures. 15614
Phenotypic restoration of fertility in a male-sterile mutant by treatment with gibberellic acid. 15629
- BATHS**
A constant temperature bath for pot-grown plants. 15688
- BATS**
Salmonella and Shigella infections in bats in selected areas of Colombia. 15316
- BAYER 25141**
Mammalian detoxification of insecticides. 14989
- BAYGON**
Persistence of two systemic carbamate insecticides in three types of soils. 15541
- BEANS**
An evaluation of the rate of reproduction of the two-spotted spider mite reared on gibberellin-treated bean plants. 14876
- Lysozyme-like action of enzymes from the cockroach *Periplaneta americana* and from some other sources. 14934
Pathogenicity of isolates of the bean wilt *Fusarium* from England and the United States. 15006
A difference in the translocability of two viruses in bean plants. 15170
Population trends and movement of *Corynebacterium flaccumfaciens* var. *aurantiacum* in tolerant and susceptible beans. 15172
A seed-borne bean virus of wide host range. 15185
Effect of removing the terminal bud of bean plants upon protein changes after infection by the bean rust fungus. 15192
Lesion maturation, fungal development, and distribution of endopolygalacturonase and cellulase in *Rhizoctonia* infected bean hypocotyl tissues. 15207
Invasion of and damage to bean seed by storage fungi. 15525
Metabolism of 2-chloro-4,5-dimethylphenyl N-methylcarbamate in bean plants. 15619
Inhibition of plant growth by halogenated benzoic acids. 15628
Properties of purified acid phosphatases from healthy and rust-infected bean leaves. 15652
Respiration, photosynthesis, and dark fixation of C1402 by healthy and rusted bean leaves. 15653
- BEAUVERIA BASSIANA**
Preliminary laboratory tests utilizing *Beauveria bassiana* (Salsamo) Vuillemin on *Calomycterus setarius* Boelofs. 15234
- BEES**
A note on *Boplitis producta* (Cress.) in Wisconsin (Hymenoptera: Megachilidae). 14833
Time memory of bees under the influence of narcosis and of social pacemaking signals (Zeitgeber). 14917
- BEETS**
Beet yellow stunt virus. 15043
- BENEFICIAL INSECTS**
The influence of spray programs on the fauna of apple orchards in Nova Scotia. XII. Second supplement to VII. Effects on beneficial arthropods. 14912
The biology and ecology of *Dendroctonus valens* Flec., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165
- BENTONITE**
Detection of potato virus X in tubers by the bentonite flocculation test. 15175
- BENZANIDE**
The effect of circadian rhythm on the development of *Drosophila*. 14941
- BENZENE BENZYLCHLORIDE**
Relative susceptibility of salt-marsh mosquitoes from Georgia and Florida to insecticides. 14967
Efficiency of granulated insecticides influenced by solvents used for impregnation. 14978
Insecticidal control of paedogenetic cecid larvae in mushroom beds. I. incorporation of insecticides into conopost. II. incorporation of insecticides in the casing layer. 15241
Screening method for the detection of chlorinated hydrocarbon pesticide residues in the fat of milk, cheese, and butter. 15572
- BETA BAYS**
Experimental hypopituitarism in swine: a stereotaxic method of inducing the condition with beta irradiation. 15455

SUBJECT INDEX

BETA-SITOSTEROL

BETA-SITOSTEROL

The fate of dietary H3-beta-sitosterol in the adult house fly.

14923

BIDRIN

Distribution of bidrin in the foliage of treated trees.

15230

Late-season control of European elm scale with bidrin trunk injections.

15612

BIG VEIN (LETTUCE)

Effects of big vein on the irrigated head lettuce crop.

15122

BIGHORN SHEEP

Erythrocyte survival studies in domestic and bighorn sheep, using glycine-2-C14.

15299

BILIRUBIN

Some observations on field cases of facial eczema: liver pathology and determination of serum bilirubin, cholesterol, transaminase and alkaline phosphatase.

15354

BIOCHEMISTRY

Some biochemical effects of alkylating agents.

15676

BIOLOGICAL ASSAY

Simple screening test for systemic aphicides.

14921

A bioassay technique for determining the insecticidal activity of preparations containing *Bacillus thuringiensis* Berliner.

14960

Biological activity of surfactants and some chemical intermediates against pre-imaginal mosquitoes.

14979

A bioassay for volatile toxicants from fungicides in soil.

15162

BIOLOGICAL CONTROL (INSECTS)

Nutritional pest control: The 'self-protection' of foodstuffs against *Tribolium confusum* (Coleoptera: Tenebrionidae) often presumably through nutritional factors.

14824

Dispersal and migration of tepa-sterilized Mexican fruit flies.

14842

Attraction of melon flies to lures on foliage or cane fibers at various heights.

14890

Esterases of crystalliferous bacteria pathogenic for insects: epizootiological applications.

14929

Note: Elimination of microsporidiosis in laboratory-reared European corn borers by the use of heat.

14939

A bioassay technique for determining the insecticidal activity of preparations containing *Bacillus thuringiensis* Berliner.

14960

Interference with the biological control of cottony-cushion scale by insecticides and attempts to re-establish a favorable natural balance.

15224

Control of the eastern tent caterpillar, *Malacosoma americanum* (Fabricius), by distribution of spores of two species of *Clostridium*.

15226

Spicaria rileyi (Farlow) Charles, an entomogenous fungus of *Trichoplusia ni* Huebner).

15237

Standardization of *Bacillus thuringiensis* products. homology of standard.

15696

BIOLOGICAL CONTROL (PESTS)

U.S.D.A.'s long range objectives in meeting agricultural pest problems.

15286

BIOLOGICAL CONTROL (WEEDS)

Food-plant spectrum and elimination of disease of cinnabar moth larvae, *Hypocrita jacobaeae* (L.) (Lepidoptera: Arctiidae).

15276

Appraisal of biological control of *Arceuthobium campylopodum* F. *campylopodum* by *Colletotrichum gloeosporioides*.

15283

BIOLOGY

Biology of the black cherry aphid in the Willamette Valley, Oregon.

15238

BIOPSY

The diagnosis of equine infectious anemia using the complement-fixation test, Siderocyte counts, hepatic biopsies, and serum protein alterations.

15385

Vertebral biopsy in cattle.

15445

RIPRENYL

A new method of applying riphenyl for the control of citrus fruit rots.

15069

BIRDS

The subgenus *Persicargas*, new subgenus (Ixodoidea, Argasidae, Argas). I. A. (P.) *arhoreus*, an Egyptian Persic-like parasite of wild bees, with a redefinition of the subgenus *Argas*.

14828

Report on the pullorum disease testing results for the 32nd northeastern conference on avian diseases.

15312

Cultivation of *Mycoplasma* of avian origin.

15314

Response of birds to one intranasal vaccination with R-1 strain of Newcastle disease virus.

15449

Revaccination of chickens against Newcastle disease by vent, wing-vein, and intramuscular routes.

15495

A cardiac bleeding technique for small birds.

15691

BIURET

Notice of filing of petition for food additive biuret.

15483

BLACK SPOT (CITRUS)

Temperature factors in the control of black spot of citrus.

15528

BLACK STEM (ALFALFA)

Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity.

15160

BLATTELLA GERMANICA

A tergal abnormality in the German cockroach, *Blattella germanica* (L.).

14944

DDT and related compounds in dog food and CSMA media used in insect rearing.

15611

BLATTIDAE

The occurrence of acetylcholine in the nervous tissues of American cockroaches.

14874

BLIGHT (CAMELLIA)

A report of the occurrence of Camellia flower blight in Mississippi.

15027

BLIGHT (RAPE)

Control of Alternaria blight of rape and mustard by griseofulvin.

15085

BLISTER BLIGHT (TEA)

Epidemiology of tea blister blight (*Exobasidium vexans*). III. Spore deposition and disease prediction.

15095

BLOAT

The etiology of legume bloat-nonvolatile acids.

15457

BLOOD

Changes in haemolymph lipoproteins during locust flight.

14914

The determination of chlorinated insecticides in human blood.

15556

Letbal endrin concentration in the blood of gizzard shad.

15603

Hexane extractable chlorinated insecticides in human blood.

15606

A cardiac bleeding technique for small birds.

15691

SUBJECT INDEX

CALCIUM

- BLOOD CELLS**
Staining fixed preparations of chicken blood cells with combination may-greenwald-wright-phloxine B stain. 15344
- BLOOD PLASMA**
Plasma enzyme levels in chickens, a measure of drug induced pathology. 15677
Transaminases and dehydrogenases in chicken plasma. 15678
- BLOOD PROTEINS**
The diagnosis of equine infectious anemia using the complement-fixation test, Siderocyte counts, hepatic biopsies, and serum protein alterations. 15385
- BLUE COMB**
A bacterial agent causing bluecomb disease in turkeys. 1. Isolation and preliminary laboratory investigations. 15480
- BOBBYX MORI**
Nucleic acids extracted from the virns polyhedra of the silkworm, *Bombyx mori* (Linnaeus). 14850
Interference between cytoplasmic-polyhedrosis viruses of the silkworm, *Bombyx mori* (Linnaeus), and of the pine caterpillar, *Dendrolimus spectabilis* (Butler). 14852
The effectiveness of formalin in controlling jaundice (nuclear polyhedrosis) of the silkworm in Poland. 14885
Demonstration of nuclear polyhedrosis in *Bombyx mori* (Linnaeus) by fluorescent antibody technique. 14903
Pigment-producing variants of *Bacillus thuringiensis* Berliner from the silkworm. 14953
- BOBBS**
The ages at which the centers of ossification appear roentgenographically in the limb bones of the dog. 15295
- BOOPHILUS ANNULATUS MICROPLUS**
Acaricida tests on the biarra strain of organophosphorus resistant cattle tick *Boophilus microplus* from southern Queensland. 15506
- BOBATEES**
Colonization of shortleaf pine stumps. 14990
- BORAX**
Colonization of shortleaf pine stumps. 14990
- BORDEAUX MIXTURE**
Effect of Bordeaux spray and plastic covering in preventing invasion of low-temperature-injured stems of prune trees by cytospora fungi. 15074
- BORDETELLA PERTUSSIS**
Experimental inactivated-virns bog cholera vaccines' induction period of immunity. 15435
- BOTULISM**
Case report- botulism type C outbreak on a pheasant game farm. 15486
- BOVINE ENTEROVIRUSES**
Studies of bovine enteroviruses. 15415
- BOVINE PAPULAR STOMATITIS VIRUS**
Bovine papular stomatitis. II. The experimentally produced disease. 15375
- BOVINE RHINOTRACHEITIS VIRUS**
The isolation of infectious bovine rhinotracheitis virus from cattle affected with conjunctivitis-observations on the experimental infection. 15313
- BRAIN**
Exterotoxemia of sheep. II. distribution of I131 radioiodinated serum albumin in brains of *Clostridium perfringens* type D intoxicated lambs. 15376
Exterotoxemia of sheep. I. Effects of *Clostridium perfringens* type D toxin on the brains of sheep and mice. 15377
Isolation of *Listeria monocytogenes* from brains of rabies-negative animals. 15438
- BREEDING**
Phenotypic restoration of fertility in a male-sterile mutant by treatment with gibberellic acid. 15629
An inexpensive and effective indoor insectary. 15679
- BROCKET DISEASE**
Electron microscopy of the bovine heart in congestive failure of high mountain disease. 15361
- BROADBEANS**
An outbreak of broadbean diseases in Iran. 15091
- BRONCHITIS VACCINES**
A pasture trial using 2 immunizing doses of a parasitic bronchitis vaccine. 15391
- BROWN ROT (CHERRIES)**
Relation between residues of folpet and control of brown rot on sour cherry fruit in Door County, Wisconsin, 1962. 15137
- BROWN STEM ROT (SOYBEANS)**
Control of brown stem rot of soybeans with corn-soybean rotations. 15045
- BRUCELLA ABORTUS ANTIGENS**
Studies on an immunogenic agent against *Brucella abortus*. II. Preliminary studies of an immunologically active soluble agglutinin. 15287
- BRUCELLA OVIS**
Detection of precipitins against *Brucella ovis*. 15406
- BRUCELLOSIS**
A heat-inactivation test for differentiating specific and nonspecific agglutination reactions for bovine brucellosis. 15315
- BULLS**
The effects of exogenous testosterone on spermatogenesis of bulls. 15300
- BUQUINOLATE**
The spectrophotofluorometric determination of buquinolate in poultry tissue and eggs. 15511
- BUTTER**
Screening method for the detection of chlorinated hydrocarbon pesticide residues in the fat of milk, cheese, and butter. 15572
- CABBAGE**
Resistance of *Brassica oleracea* varieties to downy mildew. 15142
The relative resistance to insect attack of three cabbage varieties at different stages of plant maturity. 15284
Seasonal shifts in the relative resistance to insect attack of eight commercial cabbage varieties. 15285
- CACODYLIC ACID**
Bark beetle mortality in precommercial herbicide thinnings of western hemlock. 15245
- CACTOBLASTIS CACTOBUM**
A cytoplasmic polyhedrosis of *Cactoblastis cactorum* (Berg). 14963
- CAPPEINE**
In vitro increase in virns infectivity. II. 15221
- CALCINOSIS**
Calcinea gout (Kalkgicht) and calcinosis circumscripta in dogs. 15345
Effects of fluoride on magnesium deficiency in the guinea pig. 15446
- CALCIUM**
Control of chronic respiratory disease. II. The effect of low calcium diet, terephthalic acid and chlortetracycline. 15383
Effect of carbon source and calcium on growth of *Pythium ultimum*. 15638

SUBJECT INDEX

CALCIUM NITRATE

CALCIUM NITRATE

Calcium nitrate for field control of tomato southern blight in South Carolina. 15183

CALIFORNIA

Interference with the biological control of cottony-cushion scale by insecticides and attempts to re-establish a favorable natural balance. 15224

CALIFORNIA ENCEPHALITIS VIRUS

St. Louis encephalitis vector studies in Houston, Texas. 14983

CALLIBAETIS

The submaginal cuticle of the mayfly *Callibaetis* sp. (Ephemeroptera). 14942

CALOMYCTERUS SETABIVUS

Preliminary laboratory tests utilizing *Beauveria bassiana* (Balsamo) Vuillemin on *Calomycterus setarius* Boelofs. 15234

CALVES

Gamma globulin levels and neonatal mortality in market calves. 15372

Studies on shipping fever of cattle. II. Prevalence of *Pasteurella* species in nasal secretions from normal calves and calves with shipping fever. 15387

Studies in anaplasmosis. IV. Development of the causative agent in deer erythrocytes transfused into calves. 15398

Virus diseases in calves. 15426

Clinical management of neonatal diarrhea in calves, with special reference to pathogenesis and diagnosis. 15447

Pathogenesis and prevention of infectious diarrhea (scours) of newborn calves. 15452

Cellular response to endogenous stages of *Coccidia* in cattle, with observations of the influence of chemicals upon the host-parasite relationship. 15509

CAMELS

Survey on the helminths of dromedary in Chad, with special reference to gastro-intestinal strongylosis and haemonchosis (*Haemonchus longistipes*). 15514

CANADA

Parasites of the red-pine sawfly, *Neodiprion nanulus* nanulus (Hymenoptera: Diprionidae), in New Brunswick. 14844

Development of DDT resistance in certain mayflies in New Brunswick. 14970

CANKER (CRABAPPLES)

Cankers of ornamental crabapples associated with *Physalospora obtusa* and other microorganisms. 15105

CANKER (FRUIT)

Ceratocystis canker of stone fruit trees. 15037

CAPTAN

Control of bacterial spot of peach. 15030

Action of soil fungicides. IV. changes in the spectrum of soil fungi. V. sensitivity of soil organisms in vitro. 15041

Control of diseases of shallots. 15521

CABBANATES

Inhibition of housefly acetylcholinesterase by carbamates. 14891

Soil treatments with broadcast or hand applications of organophosphorus or carbamate insecticides for prevention of wireworm damage to potatoes. 15227

New nematocides. 15268

Persistence of two systemic carbamate insecticides in three types of soils. 15541

The behavior of DDT and Zectran on a forest soil. 15544

Determination of Niagara NIA-10242 and its phenol degradation product in corn silage and milk and determination of other carbamates by GLC of their thiophosphoryl derivatives. 15552

Degradation of carbamate herbicides in soil. 15567

Thin layer chromatography of some carbamate and phenylurea pesticides. 15661

CABBANILATES

Chemicals tested as space repellents for yellow-fever mosquitoes. II. carbamates, benzamides, aliphatic amides, and imides. 14915

CABBABYL

The biology and ecology of *Dendroctonus valens* Flec., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zimmerman in central Mexico (Coleoptera: Scolytidae). 15165

Control of the pickleworm on cucurbits. 15228

The control of poultry lice and mites with several organic insecticides. 15240

Effectiveness of various formulations of five insecticides on insects infesting Douglas-fir logs. 15250

Field tests with insecticides for control of lone star ticks on cattle. 15502

CARBON

Effect of carbon source and calcium on growth of *Pythium ultimum*. 15638

CARBON DIOXIDE

Effects of carbon dioxide anesthesia on the house cricket, *Acheta domesticus* (Orthoptera: Gryllidae). 14932

Swine serum and CO₂ in the isolation of avian PPLO. 15364

CARBON ISOTOPES

Metabolism of 2-chloro-4,5-dimethylphenyl N-methylcarbamate in bean plants. 15619

CARBON TETRACHLORIDE

Fumigant toxicity of 1,2,3-tribromopropene, ethyleneimine, crotyl bromide and carbon tetrachloride to stored-product insects. 14888

Pharmacology and toxicology of carbon tetrachloride in the sheep. IV. reduction and augmentation of toxicity to sheep. 15397

CARBONYL COMPOUNDS

Constituents of the cotton bud. the carbonyl compounds. 15637

CAROTENOIDS

Prevention of photodynamic killing of fungal cells by carotenoids. 15620

CARROTS

Determination of linuron and its known and/or suspected metabolites in crop materials. 15566

Food and food products. tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. 0-Phenylphenol and its sodium salt. 15593

CASSIA OCCIDENTALIS

Cassia occidentalis toxicosis in cattle. 15410

CATS

Neoplasms of the canine and feline urinary bladder: Clinical findings, diagnosis, and treatment. 15423

CATTLE

Fecal elimination of estrogens by cattle treated with diethylstilbestrol and hexestrol. 15290

The measurement of bovine thyroid activity using low dosages of radioactive iodine I131. 15297

The isolation of infectious bovine rhinotracheitis virus from cattle affected with conjunctivitis-observations on the experimental infection. 15313

A heat-inactivation test for differentiating specific and nonspecific agglutination reactions for bovine brucellosis. 15315

Isolation and properties of bovine herpesvirus from a calf

SUBJECT INDEX

CHEMICAL CONTROL (INSECTS)

- with respiratory disease and keratoconjunctivitis. 15323
- Serological investigation in French cattle; research on hemagglutination inhibiting antihodies due to myxovirus parainfluenza-3. 15338
- Foot-and-mouth disease virus- its behavior in cattle after serial passages in chicken embryos and chicks. 15352
- Electron microscopy of the bovine heart in congestive failure of high mountain disease. 15361
- Results of continuous low-level inoculations with *Eimeria havis* in calves. 15366
- Plague characteristics of four classes of bovine viruses. 15374
- Studies on shipping fever of cattle. II. Prevalence of *Pasteurella* species in nasal secretions from normal calves and calves with shipping fever. 15387
- Experimental water intoxication in calves. 15396
- Cassia occidentalis toxicosis in cattle. 15410
- Chemical and electrophoretic studies of the serums of cattle infected naturally with Asia-1 type foot-and-mouth disease virus. 15431
- Mycobacterium avium* as a mammary pathogen of cattle. II. the sources of nocardial infection and experimental reproduction of the disease. 15432
- Mycobacterium avium* as a mammary pathogen of cattle. I. The disease in cattle and the comparative virulence of 5 isolates. 15433
- Vertebral biopsy in cattle. 15445
- Electron microscopy of *Anaplasma marginale* in the bovine erythrocyte. 15461
- Clinical and hematologic studies of lymphosarcoma in a herd of cattle. 15477
- Notice of filing of petition for food additives. 15482
- Food additives permitted in the feed and drinking water of animals of for the treatment of food-producing animals. food additives permitted in food for human consumption. erythromycin. 15484
- An indirect gel diffusion precipitation test for the detection of rinderpest antibody in convalescent cattle. 15492
- Field tests with insecticides for control of lone star ticks on cattle. 15502
- Comparative efficiency of contact applications on various body areas by brush-on or pour-on for the control of cattle grubs. 15505
- Acaricidal tests on the hiarra strain of organophosphorus resistant cattle tick *Boophilus microplus* from southern Queensland. 15506
- Cattle grub control with Bayer 21-199 in the Everglades. 15513
- Anthelmintic activity of an organic phosphate in cattle and sheep. 15515
- Bovine babesiosis. the passive immunization of calves against *Babesia argentina* with special reference to the role of complement fixing antihodies. 15517
- Three gastro-intestinal nematodes recently recorded from British cattle. 15518
- Survival of infective larvae of the cattle nematodes, *Cooperia punctata*, *Trichostrongylus axei*, and *Oesophagostomum radiatum*. 15519
- Note on identification of azinphosmethyl in human tissues. and in figs. 15579
- Toxicologic effects of a phosphorothioic acid insecticide in cattle. 15610
- CELL NUCLEUS
A rapid, permanent Wright's staining method for chromosomes and cell nuclei. 15308
- Nuclear condition and division in vegetative hyphae of *Rhizoctonia solani*. 15644
- CELL WALL
Lysozyme-like action of enzymes from the cockroach *Periplaneta americana* and from some other sources. 14934
- CELLS
Cellular response to endogenous stages of *Coccidia* in cattle, with observations of the influence of chemicals upon the host-parasite relationship. 15509
- Some biochemical effects of alkylating agents. 15676
- CELLULOSE
Lesion maturation, fungal development, and distribution of endopolygalacturonase and cellulase in *Rhizoctonia* infected bean hypocotyl tissues. 15207
- CELLULOSE
In vitro degradation of oxalate and of cellulose by rumen ingesta from sheep fed halogeton glomeratus. 15390
- CERATOCYSTIS CANKER
Ceratocystis canker of stone fruit trees. 15037
- CEROCOSPOREA
Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160
- CESTODA
Chemical ovicidal measures as applied to *Taenia hydatigena*, *Taenia ovis*, *Taenia pisiformis*, and *Echinococcus granulosus*. 15516
- CHALCIDAE
Viability of the chalcid parasite *Tetrastichus pyrrillae* Crawford from the host *Pyrrilla perpusilla* Walker egg. 14829
- CHALCIDOIDEA
A wide-range variable temperature cabinet for bio-ecological studies. 15689
- CHEESE
Screening method for the detection of chlorinated hydrocarbon pesticide residues in the fat of milk, cheese, and butter. 15572
- CHEMICAL CONTROL (INSECTS)
Chemicals tested as space repellents for yellow-fever mosquitoes. II. carbamates, benzamides, aliphatic amides, and isides. 14915
- Insecticidal and naturalistic control chironomid larvae in Lake Dalwigk, Vallejo, California. 14919
- Cross-tolerance of California *Aedes nigromaculis* (Ludlow) larvae to EPN, Abate, and Durshan. (abstract). 14973
- Infestation of the imported fire ant, *Solenopsis saevissima* v. *richteri*, at Fort Benning, Georgia. 14981
- 1967 insecticide recommendations; peach insect control (commercial). 15225
- Control of the pickleworm on cucurbits. 15228
- Bark beetle mortality in precommercial herbicide thinnings of western hemlock. 15245
- Preliminary study on some of the factors affecting control of western corn rootworm larvae with soil insecticides. 15246
- Method for treating animals infested with pests of the phylum arthropoda. patent 3,367,831. 15508
- Influence of pre-storage treatments on the mortality of the San Jose scale (Homoptera: Diaspididae) on apples held in storage. 15532
- Mortality of the San Jose scale (Homoptera: Diaspididae) on stored apples of different varieties and harvest dates. 15533

SUBJECT INDEX

CHEMICAL CONTROL (NEMATODES)

Late-season control of European elm scale with bidrin trunk injections. 15612

CHEMICAL CONTROL (NEMATODES)

A method for assaying nematocidal activity of experimental chemicals. 15260

Soil fumigation by injection and irrigation for the control of nematodes on hops. 15261

New nematocides. 15268

CHEMICAL CONTROL (PLANT DISEASES)

Steroid alkaloids in the disease resistance of white potato tubers. 14995

Spray programs and the control of sooty blotch of apples. 15031

Dodine (Cyprax) effective against bacterial spot of peach. 15032

Effect of s-triazine and phenylurea herbicides on soil fungi in corn- and soybean-cropped soil. 15093

A study of symptoms and control of Phomopsis juniperovora on Arizona cypress. 15127

A bioassay for volatile toxicants from fungicides in soil. 15162

Calcium nitrate for field control of tomato southern blight in South Carolina. 15183

Reduction of peach decays by hydrocooling with chemical solutions and chemically treated ice. 15188

Factors affecting field performance of nickel salt plus di-thiocarbamate fungicide mixtures for the control of wheat rusts. 15201

Control of plant-nematodes and weeds in holly nurseries. 15257

Preliminary studies on the control of nematodes in outdoor rose plantings. 15270

CHEMICAL CONTROL (WEEDS)

Shift to chemical weed control hastens change from mules to tractors. 15278

Inhibition of photochemical activity of isolated chloroplasts by acylanilides. 15280

Herbicidal control of tall larkspur. 15282

CHEMICALS

Chemicals tested as space repellents for yellow-fever mosquitoes. II. carbamates, benzamides, aliphatic amides, and imides. 14915

Metabolism in vitro of phloridzin and other compounds by Venturia inaequalis. 15627

CHEMOSTERILANTS

Dispersal and migration of tepa-sterilized Mexican fruit flies. 14842

La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. SB951.15. 14906

Sexual sterilization of screw-worm flies by N,N'-tetramethylenebis(1-aziridinecarboxamide): influence of route of administration. 15501

Chemical structure and sterilizing activity of N,N'-alkylenebis-(1-aziridinecarboxamides) in screw-worm flies. 15605

CHEBBIES

Behavior of western Y virus in wellrooted peach and cherry orchards. 15075

Biology of the black cherry aphid in the Willamette Valley, Oregon. 15238

CHICK EMBRYOS

Foot-and-mouth disease virus. II. Propagation and modification of 3 immunologic types of virus in embryonating chicken eggs. 15498

CHICKEN EMBRYO LETHAL ORPHEAN VIRUS

Tissue culture propagation and pathology of a CELO virus. 15339

CHICKENS

Leukosis - Transmission by beetles. 15311

Isolation of an unidentified myxovirus from chickens with a respiratory disease. 15320

Report of the Committee on Nomenclature and Reporting of Disease, Northeastern Conference on Avian Disease, June, 1962. 15340

Atypical Pasteurella infections in chickens. 15342

Staining fixed preparations of chicken blood cells with combination may-greenwald-wright-phloxine B stain. 15344

The emergence of resistant strains of Salmonella typhimurium in the tissues and alimentary tracts of chickens following the feeding of an antibiotic. 15370

Size, score and speed of development of tumors in chickens in response to subcutaneous inoculations with rous sarcoma virus. 15379

Studies on pastenrellosis. III. Control of experimental fowl cholera in chickens and turkeys with an emulsified killed vaccine. 15382

Albicans infection in chickens. I. Effect of vitamin A nutritional factors influencing experimental Candida deficiency. 15393

The isolation of viruses from the cecal tonsils of chickens and turkeys. 15405

Relationships between eastern and western equine encephalomyelitis viruses as demonstrated by the hemagglutination-inhibition antibody response of experimentally infected chickens. 15419

The effects of antibiotics on experimental chronic respiratory disease in chickens. 15421

Transmission of chronic respiratory disease in chickens. 15422

An epizootic of histiocytic sarcomas in chickens induced by a cell-free agent. 15430

The influence of terephthalic acid on oxytetracycline serum levels in chickens. Studies on mode of action, I. 15442

Conjunctivitis in chickens caused by a typical infections laryngotracheitis virus. 15450

Avian infections hepatitis III. Treatment of chickens in egg production. 15462

Anareomycin chlortetracycline as a preventive for experimental synovitis in chickens. 15466

Study of chicken sarcoma (strain 13) placed in the bursa of Fabricius. 15472

Revaccination of chickens against Newcastle disease by vent, wing-web, and intramuscular routes. 15495

Aspergillosis experimentally produced in hatching chicks. 15500

Dust containing Bacillus thuringiensis for control of chicken body, shaft, and wing lice. 15504

Method for residues of Zytron, O-2,4-dichlorophenyl O-methyl isopropylphosphoramidothioate, in chicken tissues and eggs. 15565

Plasma enzyme levels in chickens, a measure of drug induced pathology. 15677

Transaminases and dehydrogenases in chicken plasma. 15678

Tissue culture and chicken embryo techniques for infections laryngotracheitis virus studies. 15680

SUBJECT INDEX

CHROMATOGRAPHY

- CRICKS**
Foot-and-mouth disease virus- its behavior in cattle after serial passages in chicken embryos and chicks. 15352
- The detection of acute avian leukosis as a contagious disease. 15358
- Foot-and-mouth disease virus. I. Propagation of 3 immunologic types of viruses in chicks. 15499
- CRILO SUPPRESSALIS**
Descriptions of larval and pupal stages of four lepidopterous rice borers in Malaysian Borneo (Sarawak). 14945
- CRILOPODA**
The skeleto-muscular mechanism of the so-called anal legs in the centipede *Scolopendra amazonica* (Scolopendridae). 14897
- CHIRONOMIDAE**
Insecticidal and naturalistic control chironomid larvae in Lake Dalwigk, Vallejo, California. 14919
- CHLORAMPHENICOL**
Chemicals for plant disease control. 15128
- Effect of chloramphenicol on the concentrations of free amino acids and amides in healthy and cucumber mosaic virus (CMV- Y) infected plants. 15655
- CHLORINATED HYDROCARBONS**
The behavior of DDT and Zectran on a forest soil. 15544
- Extraction of chlorinated pesticide residues from nonfatty samples of low moisture content. 15550
- Infrared identification of chlorinated insecticides in the tissues of poisoned fish. 15553
- The determination of chlorinated insecticides in human blood. 15556
- Analysis of chlorinated pesticide residues in fats and oils, utilizing dimethyl sulfoxide: a collaborative study. 15558
- Study of modifications of the Mills procedure for chlorinated pesticides in dairy products. 15562
- Rapid cleanup of dairy products for analysis of chlorinated insecticide residue by electron capture gas chromatography. 15568
- Determination of DDT and related substances in human fat. 15569
- Metabolism of DDT and some other chlorinated organic compounds by *Aerobacter aerogenes*. 15571
- Screening method for the detection of chlorinated hydrocarbon pesticide residues in the fat of milk, cheese, and butter. 15572
- Loss of chlorinated hydrocarbon insecticides from soil surface in the field. 15573
- Rapid screening method for DDT in milk with gas chromatography. 15580
- Sweep co-Distillation cleanup of milk for determination of organophosphate and chlorinated hydrocarbon pesticides. 15601
- Bexane extractable chlorinated insecticides in human blood. 15606
- Semi-automatic extraction of organic materials from water. public Health Service Water Pollution Surveillance System Applications and Development Report 16. 15665
- CHLORO-4,5-DIMETHYLPHENYL N-METHYL CARBAMATE, 2-**
Metabolism of 2-chloro-4,5-dimethylphenyl N-methyl carbamate in bean plants. 15619
- CHLORONANA**
Studies of the Cyponidae: a new genus- *Chloronana* (Homoptera: Cicadellidae). 14812
- CHLOROPLASTS**
Inhibition of photochemical activity of isolated chloroplasts by acylanilides. 15280
- CHLOROTIC DWARF (PINUS STROBUS)**
Susceptibility of eastern white pine to chlorotic dwarf. 15039
- CHLORTETRACYCLINE**
Control of chronic respiratory disease. II. The effect of low calcium diet, terephthalic acid and chlortetracycline. 15383
- Safety and tissue residue evaluations in swine fed rations containing chlortetracycline, sulfamethazine, and penicillin. 15411
- Aureomycin chlortetracycline as a preventive for experimental synovitis in chickens. 15466
- Effects of vitamin-A deficiency and high-level chlortetracycline on experimental candidiasis of turkeys. 15479
- CROCOLATE SPOT (BROADBEANS)**
An outbreak of broadbean diseases in Iran. 15091
- CHOLESTEROL**
Distribution and fate of 4-C14 cholesterol in the adult male American cockroach. 14896
- Some observations on field cases of facial eczema: liver pathology and determination of serum bilirubin, cholesterol, transaminase and alkaline phosphatase. 15354
- CHOLINESTERASES**
Metabolism of malathion in desert locust. i. activation of malathion into an anticholinesterase. 14918
- Correlation of the effects of parathion on erythrocyte cholinesterase with symptomatology in pigs. 15574
- CHORISTONEURA**
Mined buds, a hibernation site for spruce budworm. 14804
- CHORISTONEURA FUNIPERANA**
Determination of Zectran residues in aerial forest spraying. 15576
- CHORIZAGROTIS**
Roll weevil survival in Carolinas higher than in 1961. 15231
- CHORIZAGROTIS AUXILIARIS**
Migration of the army cutworm, *Chorizagrotis auxiliaris* (Lepidoptera, Noctuidae). i. evidence for a migration. 14835
- CHROMATOGRAPHY**
Sex pheromones of noctuid moths. VII. Quantitative aspects of the production and release of pheromone by females of *Trichoplusia ni* (Lepidoptera: Noctuidae). 14882
- A semi-quantitative determination of aflatoxin B in groundnut meal, groundnuts and peanut butter. 15292
- Microcoulometric gas chromatography analysis of selected herbicides in water. 15540
- Determination of Niagara NIA-10242 and its phenol degradation product in corn silage and milk and determination of other carbamates by GLC of their thiophosphoryl derivatives. 15552
- Infrared identification of chlorinated insecticides in the tissues of poisoned fish. 15553
- Analysis of chlorinated pesticide residues in fats and oils, utilizing dimethyl sulfoxide: a collaborative study. 15558
- Gas chromatographic determination of residues of organophosphorus pesticides with a modified flame ionization detector. 15561
- Metabolism of TOK herbicide in dairy cow. 15564
- Method for residues of Zytron, O-2,4-dichlorophenyl O-methyl isopropylphosphoramidothioate, in chicken tissues and eggs. 15565
- Determination of linuron and its known and/or suspected metabolites in crop materials. 15566
- Rapid cleanup of dairy products for analysis of chlorinated insecticide residue by electron capture gas chromatography. 15568

SUBJECT INDEX

CHROMOSOMES

- Determination of DOT and related substances in human fat. 15569
- Metabolism of DDT and some other chlorinated organic compounds by *Aerobacter aerogenes*. 15571
- Screening method for the detection of chlorinated hydrocarbon pesticide residues in the fat of milk, cheese, and butter. 15572
- Determination of Zectran residues in aerial forest spraying. 15576
- The determination of pesticides in tissues with the electron capture detector without prior cleanup. 15578
- Extraction of the water with hexane followed by detection and assay using chromatographs equipped with electron capture and micro-cculometer detectors. 15600
- Sweep co-Distillation cleanup of milk for determination of organophosphate and chlorinated hydrocarbon pesticides. 15601
- Selective residue determination of sulfur-, halogen-, and phosphorus-containing pesticides by helium-plasma emission spectrometry. 15656
- Thin layer chromatography of some carbamate and phenylurea pesticides. 15661
- Electron capture gas chromatography. 15674
- CHROMOSOMES**
- A rapid, permanent Wright's staining method for chromosomes and cell nuclei. 15308
- CHRONIC RESPIRATORY DISEASE**
- Treatment of chronic respiratory disease with tylosin. 15321
- The histopathologic characteristics of diseases producing inflammation of the air sacs in turkeys—a comparative study. 15324
- Control of chronic respiratory disease. II. The effect of low calcium diet, terephthalic acid and chlortetracycline. 15383
- The effects of antibiotics on experimental chronic respiratory disease in chickens. 15421
- Transmission of chronic respiratory disease in chickens. 15422
- The therapeutic value of terramycin-TPA on CRD. 15491
- CHRYSANTHEMUM**
- Stemphylium ray speck of chrysanthemum. 15195
- CHRYSOMELIDAE**
- Sound production by the cereal leaf beetle. 14958
- CICADELLIDAE**
- Characters for specific identification of females in the leafhopper genus *Empoasca* (Hemiptera:Cicadellidae). 14838
- Preliminary note on transmission of a virus disease resembling tungro of rice in India and other virus-like symptoms. 15159
- CICADIDAE**
- Changes in haemolymph lipoproteins during locust flight. 14914
- CIMICIDAE**
- Adaption of a nuclear-polyhedrosis virus of *Trichiocampus viminalis* (Fallen) to larvae of *Trichiocampus irregularis* (Dyar). 14956
- CITRON**
- Variability of seedling clones of citron as indicators of exocortis virus of citrus. 14997
- CITRUS**
- Tristeza virus in Arizona citrus. 14996
- Dry root rot of citrus induced by ammonia excreases. 14998
- Rapid indexing of exocortis in citrus. 15021
- Failure of psorosis virus to protect against citrus variegation virus. 15028
- Nitrogen as a factor in the development of exocortis of citrus. 15203
- Interference with the biological control of cottony-cushion scale by insecticides and attempts to re-establish a favorable natural balance. 15224
- Notice of filing of petition regarding pesticides. 15588
- CLEANUP**
- The determination of pesticides in tissues with the electron capture detector without prior cleanup. 15578
- CLIMATE**
- Seasonal shifts in the relative resistance to insect attack of eight commercial cabbage varieties. 15285
- CLOSTRIDIUM CRAUVEI BACTERINS**
- Immunisation of sheep with multi-component clostridial vaccines. 15469
- CLOSTRIDIUM MALACOSOMAE**
- Control of the eastern tent caterpillar, *Malacosoma americanum* (Fabricius), by distribution of spores of two species of *Clostridium*. 15226
- CLOSTRIDIUM PERFRINGENS BACTERIN**
- Enterotoxemia of sheep. II. distribution of I131 radioiodinated serum albumin in brains of *Clostridium perfringens* type D intoxicated lambs. 15376
- Enterotoxemia of sheep. I. Effects of *Clostridium perfringens* type D toxin on the brains of sheep and mice. 15377
- Enterotoxemia of sheep. III. *Clostridium perfringens* type D antitoxin titers of normal, nonvaccinated lambs. 15378
- CLOVER**
- Some clovers susceptible to the Cassia, cotton, and other wilt fusaria. 15005
- Pathological anatomy of *Sclerotinia trifoliorum* on clover and alfalfa. 15639
- COCCIDIOSIS**
- Results of continuous low-level inoculations with *Eimeria havis* in calves. 15366
- Cellular response to endogenous stages of *Coccidia* in cattle, with observations of the influence of chemicals upon the host-parasite relationship. 15509
- COCCIDIOSTATS**
- The spectrophotofluorometric determination of huquinolate in poultry tissue and eggs. 15511
- COCCINELLA**
- The effects of photoperiod, temperature, and food supply on rate of development and diapause in *Coccinella novemnotata*. 14916
- COCHLIOMYIA ROMINIVORAX**
- Sexual sterilization of screw-worm flies by N,N'-tetramethylenebis(1-aziridinecarboxamide): influence of route of administration. 15501
- Chemical structure and sterilizing activity of N,N'-alkylenebis-(1-aziridinecarboxamides) in screw-worm flies. 15605
- COCONUTS**
- Internal spotting of coconuts. 15121
- COLEOPTERA**
- Soil fauna research in the forest of Maures (Var). the dale of Fournel (Coleoptera). 14822
- Leukosis - Transmission by beetles. 15311
- COLLETOTRICUM**
- Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160

SUBJECT INDEX

CRRABAPPLES

- COLORIMETRY**
Microconometric gas chromatography analysis of selected herbicides in water. 15540
- Simultaneous electron capture - microcoulometric detection for qualitative and quantitative pesticide analysis. (in: Gulf Coast Shellfish Sanitation Research Center. Technical Memorandum (GCSSRC FY) 66-2.). 15583
- Extraction of the water with hexane followed by detection and assay using chromatographs equipped with electron capture and micro-coulometer detectors. 15600
- COLOSTRUM**
Studies on enteroviruses of the pig-V. the experimental disease induced in pathogen-free, colostrum-deprived pigs by the T80 and T52A strains of a swine polio-encephalomyelitis virus. 15327
- COMPLEMENT FIXATION**
Production of foot-and-mouth disease virus with high complement-fixing antigenicity. 15428
- Rovine habesiosis. the passive immunization of calves against Rabesia argentina with special reference to the role of complement fixing antibodies. 15517
- Detection of common antigens of apple virus isolates by complement fixation. 15635
- CONFERENCES**
Water pollution control and abatement. TD420.v45. 15548
- CONIFERS**
Colonization of shortleaf pine stumps. 14990
- CONJUNCTIVITIS**
The isolation of infectious bovine rhinotracheitis virus from cattle affected with conjunctivitis-observations on the experimental infection. 15313
- Conjunctivitis in chickens caused by a typical infectious laryngotracheitis virus. 15450
- CONOCEPHALUS NIGROPLEURUM**
Tegminal amplifiers and spectrum consistencies in Conocephalus nigropleurus (Bruner), Tettigoniidae. 14925
- COOPERIA FUNCTATA**
Survival of infective larvae of the cattle nematodes, Cooperia punctata, Trichostrongylus axei, and Oesophagostomum radiatum. 15519
- COPPER**
Control of bacterial spot of peach. 15030
- Accumulation of copper by some Zambian plants. 15641
- COREOIDEA**
The morphology and higher classification of the Coreoidea (Hemiptera-Heteroptera). I-II. 14840
- CORKY RINGSPOT (POTATOES)**
Trichoderma christiei as a vector of potato corky ring spot (tobacco rattle) virus. 15273
- CORN**
Effect of s-triazine and phenylurea herbicides on soil fungi in corn- and soybean-cropped soil. 15093
- The effect of corn root exudate on the growth of five fungi associated with corn roots. 15132
- Use of polyethylene bags for corn root infection studies. 15133
- Relative effectiveness of resistance of field corn to the European corn borer, Pyrausta nubilalis, in crop protection and in population control. 15229
- Effect of sugarcane borer infestation on the yield and grade of corn. 15233
- Preliminary study on some of the factors affecting control of western corn rootworm larvae with soil insecticides. 15246
- Effects of mulching and nitrogen on corn borer susceptibility in corn. 15248
- Effect of moisture content and length of storage period upon germination percentage of seeds of corn, wheat, and barley free of storage fungi. 15524
- Comparison of field corn varieties for resistance to corn earworm and stored grain insect injury in the Everglades. 15530
- Determination of Niagara NIA-10242 and its phenol degradation product in corn silage and milk and determination of other carbamates by GLC of their thiophosphoryl derivatives. 15552
- Determination of linuron and its known and/or suspected metabolites in crop materials. 15566
- CORTISONE**
Effect of cortisone on Leptospira pomona infection in the guinea pig. 15302
- CORYNEBACTERIUM**
Microorganisms from the mid-gut of the larva of Tenebrio obscurus Fabricius. 14924
- Population trends and movement of Corynebacterium flaccusfaciens var. aurantiacum in tolerant and susceptible beans. 15172
- COSMIC RATS**
Exposure of house flies and oriental rat fleas on a high-altitude balloon flight. 14962
- COTTON**
Spiders of the Arkansas cotton field. 14815
- Some clovers susceptible to the Cassia, cotton, and other wilt fungus. 15005
- Alternaria of cotton in Somalia. 15061
- Evaluation of seed treatment with 1,4-dichloro-2,5-dimethoxybenzene as a cotton seedling disease control measure. 15158
- Effect of pentachloronitrobenzene. 15178
- Longevity of Xanthomonas malvacearum in dried cotton plants and its significance in dissemination of the pathogen on seed. 15202
- A fungus disease of the salt-marsh caterpillar in Arizona. 15253
- Constituents of the cotton seed. the carbonyl compounds. 15637
- COTTONSEED**
Notice of filing of petition regarding pesticides. 15586
- COWMAYOS**
The control of poultry lice and mites with several organic insecticides. 15240
- Field tests with insecticides for control of lone star ticks on cattle. 15502
- Comparative efficiency of cowmayos applications on various body areas by brush-on or pour-on for the control of cattle grubs. 15505
- Cattle grub control with Bayer 21-199 in the Everglades. 15513
- COVERED SMUT (BARLEY)**
The effect of pericaric on covered smut infection of naked barley varieties. 15096
- COWPEAS**
Purification, serology, and properties of a new cowpea virus. 15103
- Metabolite changes induced by cucumber mosaic virus in resistant and susceptible strains of cowpea. 15217
- CRRABAPPLES**
Cankers of ornamental crabapples associated with Physalospora obtusa and other microorganisms. 15105

SUBJECT INDEX

CRANBERRIES

CRANBERRIES

Bruising as a predisposing factor in the decay of stored cranberries. 15064

Investigations on Dursban insecticide. metabolism of 0,0-diethyl 0-3,5,6-trichloro-2-pyridyl phosphorothioate and 3,5,6-trichloro-2-pyridinol in plants. 15582

CRONARTIUM FUSIFORME

Antibiotic treatment of young loblolly pines infected with fusiform rust. 15050

CRCP LOSSES

Loss in oats grown for forage in Texas due to occurrence of new races of crown rust. 15161

CRCP ROTATION

Control of brown stem rot of soybeans with corn-soybean rotations. 15045

Fungi associated with Gladiolus roots under continuous cropping conditions. 15088

Seasonal variation in the incidence of radish yellows and effect of crop rotation on plant survival and yield. 15220

CRCP VARIETIES

Effects of plant-bed applications of 2,6-dichloro-4-nitro-aniline on control of sclerotial blight and on plant production in sweet potatoes. 15014

Maintaining virus-free cultivars of peach in Michigan. 15026

Seasonal fluctuations in susceptibility of young elm seedlings to Dutch elm disease. 15187

Comparison of field corn varieties for resistance to corn earworm and stored grain insect injury in the Everglades. 15530

Mortality of the San Jose scale (Homoptera: Diaspididae) on stored apples of different varieties and harvest dates. 15533

CRCP YIELDS

Evidence of "running out" in non-certified potatoes used for seed. 15111

Control of the pickleworm on cucurbits. 15228

Effect of sugarcane borer infestation on the yield and grade of corn. 15233

CRCP

Determination of linuron and its known and/or suspected metabolites in crop materials. 15566

CRCPYL BROMIDE

Fumigant toxicity of 1,2,3-tribromopropene, ethyleneimine, crotyl bromide and carbon tetrachloride to stored-product insects. 14888

CROWN ROT

Crown and root rots of alfalfa and red clover and the relative prevalence of associated fungi. 15007

CROWN RUST (OATS)

Loss in oats grown for forage in Texas due to occurrence of new races of crown rust. 15161

CUCUMBERS

A new fungus leaf spot disease of cucumber in western Washington. 15057

Control of cucumber scab due to Cladosporium cucumerina. 15092

Protection of cucumber seedlings from stone fruit ringspot virus by 8-azaadenine. 15099

Anthraxnose, scab, and soil rot of cucumbers. 15131

Control of the pickleworm on cucurbits. 15228

CUE-LURE

Attraction of melon flies to lures on foliage or cane fibers at various heights. 14890

CULEX

The winter biology of Culex tarsalis (Diptera: Culicidae) in Kern county, California. 14837

Susceptibility of mosquitoes to silica gel insecticides. 14920

Experimental transmission of African horse-sickness by means of mosquitoes. 15424

CULEX PIPIENS QUINQUEFASCIATUS

Biological activity of surfactants and some chemical intermediates against pre-imaginal mosquitoes. 14979

St. Louis encephalitis vector studies in Houston, Texas. 14983

CULICIDAE

Sampling studies with Aedes vexans and some other Wisconsin Aedes (Diptera: Culicidae). 14813

Effect of temperature, aeration, pH, and the presence of soil on the toxicity of various insecticides to mosquito larvae. 14817

Aedes (Verrallina) of the Papuan subregion (Diptera: Culicidae). 14825

The winter biology of Culex tarsalis (Diptera: Culicidae) in Kern county, California. 14837

Studies on the gonads of some immature mosquitoes. 14866

The effects of photoperiod and temperature on the induction of diapause in Aedes triseriatus (Say). 14900

Inhibition of metamorphosis and of ecdysis in mosquitoes. 14959

Relative susceptibility of salt-marsh mosquitoes from Georgia and Florida to insecticides. 14967

Failure to isolate microorganisms from within mosquito eggs. 14968

Mosquito control activities of the U.S. Armed Forces in the Republic of Vietnam. 14975

Laboratory observations of aedine mosquito oviposition (Diptera, Culicidae, Aedes). 14976

Efficiency of granulated insecticides influenced by solvents used for impregnation. 14978

Panel: opposing philosophies in mosquito control technology: emphasis on control of adult mosquitoes in Florida. 14980

A preliminary report on a potential new mosquito control weapon. 14982

St. Louis encephalitis vector studies in Houston, Texas. 14983

Source reduction through water management. 14985

Preliminary report on the feeding pattern of two species of fish in a rice field habitat. 14988

Experimental transmission of African horse-sickness by means of mosquitoes. 15424

The CDC Sweeper, a six volt mechanical aspirator for collecting adult mosquitoes. (abstract). 15685

CULTURAL CONTROL (PLANT DISEASES)

Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160

CULTURE MEDIA

Failure to isolate microorganisms from within mosquito eggs. 14968

New medium for the isolation of Thielaviopsis basicola on dilution plates from soil and rhizosphere. 15150

Antibiotic mediums for the isolation of vibrios from ball semen. 15301

Cultivation of Mycoplasma of avian origin. 15314

SUBJECT INDEX

| | | DEATH |
|--|-------|-------|
| The in vivo and in vitro isolation of avian encephalomyelitis virus (AEV). | 15388 | 15568 |
| Synthesis and cytopathogenesis of African swine fever virus in porcine cell cultures. | 15416 | |
| Isolation of <i>Phytophthora megasperma</i> var- <i>sojae</i> in soil dilution plates. | 15623 | |
| Color formation on phenol-containing media as related to lignin breakdown by wood-rotting basidiomycetes. | 15630 | |
| Some biochemical effects of alkylating agents. | 15676 | |
| Technique for germinatinguredospores of <i>Puccinia striiformis</i> . | 15681 | |
| CUPRESSUS ABIZONICA A study of symptoms and control of <i>Phomopsis juniperovora</i> on Arizona cypress. | 15127 | |
| CURCULIONIDAE Summer migration of the alfalfa weevil, <i>Hypera postica</i> (Coleoptera: Curculionidae). | 14819 | |
| CURLY DWARF (ARTICHOKE) Host range and properties of the globe artichoke curly dwarf virus. | 15141 | |
| CURLY TOP (SUGAR BEETS) Effect of virus yellows on yield and quality of sugar beet seed. | 15080 | |
| CYCLOREXIMIDE Antibiotic treatment of young loblolly pines infected with fusiform rust. | 15050 | |
| CYCLOPEDIA Biology of the black cherry aphid in the Willamette Valley, Oregon. | 15238 | |
| CYCLOPHOSPHAMIDE Immune response to sheep erythrocytes with cytoxan and bybaroxia. | 15465 | |
| CYOPTERUS WATSONII Experimental photosensitization by spring parsley (<i>Cyopterus watsonii</i>) in chicks. | 15494 | |
| CYNODON DACTYLON Results of chemical drenches in the control of spring dead spot of bermuda grass. | 15212 | |
| CYTCHROME OXIDASE Evidence for functional cytochrome oxidase in tissues infected by obligate parasites. | 15033 | |
| CYTOGENETICS Cytogenetic alterations in swine kidney cells persistently infected with hog cholera virus and propagated with and without antiserum in the medium. | 15437 | |
| CYTOLOGY Cytologic changes induced by infectious canine hepatitis virus in tissue culture. | 15443 | |
| Nuclear condition and division in vegetative hyphae of <i>Ebi-zoetonia solani</i> . | 15644 | |
| C14 The glycerolipids of <i>Mycoplasma mycoides</i> . | 15439 | |
| D, 2,4- Microcoulometric gas chromatography analysis of selected herbicides in water. | 15540 | |
| DACUS CUCURBITAE Attraction of melon flies to lures on foliage or cane fibers at various heights. | 14890 | |
| DAIRY CATTLE Metabolism of TOK herbicide in dairy cow. | 15564 | |
| DAIRY PRODUCTS Study of modifications of the Mills procedure for chlorinated pesticides in dairy products. | 15562 | |
| Rapid cleanup of dairy products for analysis of chlorinated insecticide residue by electron capture gas chromatography. | | |
| DALAPON Action and effectiveness of certain classes of herbicides. | | 15667 |
| DDT Susceptibility of mosquitoes to silica gel insecticides. | | 14920 |
| Studies on fine-particle, coarse-particle, and concentrated aerosols. | | 14948 |
| Relative susceptibility of salt-marsh mosquitoes from Georgia and Florida to insecticides. | | 14967 |
| Development of DDT resistance in certain mayflies in New Brunswick. | | 14970 |
| Soil treatments with insecticides for control of the eye gnats <i>Hippelates collusor</i> and <i>H. hermsi</i> . | | 14977 |
| The influence of sublethal dosages of insecticides on the basal follicles of <i>Aedes aegypti</i> (L.). (abstract). | | 14986 |
| Interference with the biological control of cottony-cushion scale by insecticides and attempts to re-establish a favorable natural balance. | | 15224 |
| Safety of wildlife is important to planners of gnat-control program. | | 15239 |
| The behavior of DDT and Zectran on a forest soil. | | 15544 |
| Methods for extracting insecticides from soil. | | 15545 |
| Extraction of chlorinated pesticide residues from nonfatty samples of low moisture content. | | 15550 |
| DDT in humans and animals; determination of DDA in urine using an ion exchange resin. | | 15555 |
| DDT reportedly discovered in antarctic seals and fish. | | 15563 |
| Rapid cleanup of dairy products for analysis of chlorinated insecticide residue by electron capture gas chromatography. | | 15568 |
| Determination of DDT and related substances in human fat. | | 15569 |
| Metabolism of DDT and some other chlorinated organic compounds by <i>Aerobacter aerogenes</i> . | | 15571 |
| Screening method for the detection of chlorinated hydrocarbon pesticide residues in the fat of milk, cheese, and butter. | | 15572 |
| Loss of chlorinated hydrocarbon insecticides from soil surface in the field. | | 15573 |
| The determination of pesticides in tissues with the electron capture detector without prior cleanup. | | 15578 |
| Rapid screening method for DDT in milk with gas chromatography. | | 15580 |
| DDT. proposed establishment of pesticide and food additive tolerances. | | 15592 |
| DDT and related compounds in dog food and CSMA media used in insect rearing. | | 15611 |
| Pesticides' unsung assistants. | | 15663 |
| DEATH Factors producing embryonic and fetal abnormalities, death, and abortion in swine. excerpts from the Symposium on Factors Producing Embryonic and Fetal Abnormalities, Death, and Abortion in Swine, sponsored by the National Academy of Science, U.S. livestock Sanitary Association, and Agricultural research service, U.S. department of agriculture. October 2-3, 1967, Chicago, Illinois. | | 15485 |
| Toxicologic effects of a phosphorothioic acid insecticide in cattle. | | 15610 |

SUBJECT INDEX

DEBEAKING

DEBEAKING

Hatchery spread of pullorum disease through debeaking. 15389

DECLINE (FEARS)

Pear decline virus transmission by pear Psylla. 15089

DECOLORIZING

A new bleaching technique with possible general use in entomology. 15686

DECOMPOSITION

Biological decomposition of herbicides in soil. i. mono- and trichloroacetate and dichloropropionate. 15543

Degradation of carbamate herbicides in soil. 15567

DEER

Studies in anaplasmosis. IV. Development of the causative agent in deer erythrocytes transfused into calves. 15398

Epizootic hemorrhagic disease in white-tailed deer- characteristic of the South Dakota strain of virus. 15436

DEFICIENCY DISEASES

Albicans infection in chickens. I. Effect of vitamin A nutritional factors influencing experimental Candida deficiency. 15393

Effects of vitamin-A deficiency and high-level chlortetracycline on experimental candidiasis of turkeys. 15479

DEFOLIATION

Gypsy moth defoliation. 15235

DEGRADATION

In vitro degradation of oxalate and of cellulose by rumen ingesta from sheep fed halogeton glomeratus. 15390

Determination of Niagara NIA-10242 and its phenol degradation product in corn silage and milk and determination of other carbamates by GLC of their thiophosphoryl derivatives. 15552

DEHYDROACETIC ACID

Chemicals for plant disease control. 15128

Polyethylene liners and fungicides for peaches and nectarines. 15526

DEHYDROGENASES

Transaminases and dehydrogenases in chicken plasma. 15678

DENDROCTONUS

Effectiveness of various formulations of five insecticides on insects infesting douglas-fir logs. 15250

DENDROCTONUS BREVICORNIS

Lindane in diesel oil prevents western pine beetle attacks for at least one year. 15251

DENDROCTONUS FRONTALIS

The biology and ecology of Dendroctonus valens Flec., and the biology, ecology, and control of Dendroctonus frontalis (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165

DENDROCTONUS VALENS

The biology and ecology of Dendroctonus valens Flec., and the biology, ecology, and control of Dendroctonus frontalis (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165

DENDROLIMUS SPECTABILIS

Interference between cytoplasmic-polyhedrosis viruses of the silkworm, Bombyx mori (Linnaeus), and of the pine caterpillar, Dendrolimus spectabilis (Bntler). 14852

DENSITY

Buoyant density of African horsesickness virus. 15458

DEOXYRIBONUCLEIC ACID

Effect of interferon on early enzyme and viral DNA synthesis in vaccinia virus infection. 15401

DERMATITIS

Ingestion of Ammi visnaga seeds and photosensitization - The cause of vesicular dermatitis in fowls. 15478

DETERGENTS

Biological activity of surfactants and some chemical intermediates against preimaginal mosquitoes. 14979

DFA

Inhibition of metamorphosis and of ecdysis in mosquitoes. 14959

DIABROTICA

Several insects cause concern. 14991

DIABROTICA VIRGIFERA

Preliminary study on some of the factors affecting control of western corn rootworm larvae with soil insecticides. 15246

DIAGNOSIS

A slide smear technique for the diagnosis of laryngotracheitis. 15318

The detection of acute avian leukosis as a contagious disease. 15358

The diagnosis of equine infectious anemia using the complement-fixation test, Siderocyte counts, hepatic biopsies, and serum protein alterations. 15385

A quick method for the diagnosis of avian pox and infectious laryngotracheitis. 15463

DIANTHUS CARYOPHYLLUS

A survey of carnation diseases in south Sweden. 15144

DIAPAUSE

Effects of hormones and injury on RNA synthesis in saturniid moths. 14861

DIAPHRANIA MITIDALIS

Control of the pickleworm on cucurbits. 15228

DIARRHEA

Treatment of diarrhea in dogs. 15380

Persistent diarrhea and vitamin B in the horse. 15418

Clinical management of neonatal diarrhea in calves, with special reference to pathogenesis and diagnosis. 15447

Pathogenesis and prevention of infectious diarrhea (scours) of newborn calves. 15452

DIATRAEA

Effect of sugarcane borer infestation on the yield and grade of corn. 15233

DIAZINON

Effect of temperature, aeration, pH, and the presence of soil on the toxicity of various insecticides to mosquito larvae. 14817

DIBROMO-3-CHLOROPROPANE, 1,2-

Soil fumigation by injection and irrigation for the control of nematodes on hops. 15261

Control of nematodes on blue spruce. 15263

Tolerances of Picea SPP to a nematocide. 15636

DICAMBA

Dicamba and its metabolite. notice of establishment of temporary tolerance. 15591

Action and effectiveness of certain classes of herbicides. 15667

DICAPTRON

The control of poultry lice and mites with several organic insecticides. 15240

A sensitive procedure for urinary p-nitrophenol determination as a measure of exposure to parathion. 15559

DICHLORO-2,5-DIMETHOXYBENZENE, 1,4-

Evaluation of seed treatment with 1,4-dichloro-2,5-dimethoxybenzene as a cotton seedling disease control measure. 15158

SUBJECT INDEX

| | | | |
|--|-------|---|--------|
| | | | DODINE |
| DICHLORO-4-NITROANILINE, 2,6- | | Effect of diet on aortic ruptures in turkeys induced by diethylstilbestrol. | 15304 |
| Effects of plant-bed applications of 2,6-dichloro-4-nitro-aniline on control of sclerotial blight and on plant production in sweet potatoes. | 15014 | Notice of filing of petition for food additives. | 15482 |
| DICHLORO-4'-AMINODIPHENYL ETHER, 2,4- | | DIPLOLOTA | |
| Metabolism of TOK herbicide in dairy cow. | 15564 | Control of cucumber scab due to <i>Cladosporium cucumerinum</i> . | 15092 |
| DICHLORO-4'-NITRODIPHENYL ETHER, 2,4- | | DIGITARIA | |
| Metabolism of TOK herbicide in dairy cow. | 15564 | Determination of linnon and its known and/or suspected metabolites in crop materials. | 15566 |
| DICHLOROPROFIONATE | | DIMETHOATE | |
| Biological decomposition of herbicides in soil. i. mono- and trichloroacetate and dichloropropionate. | 15543 | Chemotherapeutic control of a root-knot nematode. | 15258 |
| DICOFOL | | Mammalian detoxification of insecticides. | 15602 |
| Three plans for using acaricides to control mites on apple. | 15223 | DIMETHYL SULFOXIDE | |
| Food additives permitted in food for human consumption. 1,1-Bis(p-chlorophenyl)-2,2,2-trichloroethanol. | 15594 | Analysis of chlorinated pesticide residues in fats and oils, utilizing dimethyl sulfoxide: a collaborative study. | 15558 |
| DDT and related compounds in dog food and CSMA media used in insect rearing. | 15611 | DINITROBUTYLPHENOL | |
| DICTYOCALUS VIVIPARUS | | Action and effectiveness of certain classes of herbicides. | 15667 |
| Studies on infection and immunity with the lungworm, <i>Dictyocaulus viviparus</i> (Bloch). i. active immunization of guinea pigs and rabbits. | 15488 | DINITROCHESOL | |
| DIEBACK (ULMUS) | | A sensitive procedure for urinary p-nitrophenol determination as a measure of exposure to parathion. | 15559 |
| Effect of Dutch elm disease on seedling elms. | 15004 | DIOXATHION | |
| Seasonal fluctuations in susceptibility of young elm seedlings to Dutch elm disease. | 15187 | Field tests with insecticides for control of lone star ticks on cattle. | 15502 |
| Scotlyd vectors of the Dutch elm disease in Ontario. | 15214 | DIPHENYLAMINE | |
| An adenosine triphosphate-binding substance from <i>Ceratocystis ulmi</i> . | 15632 | Influence of pre-storage treatments on the mortality of the San Jose scale (Homoptera: Diaspididae) on apples held in storage. | 15532 |
| DIELDRIN | | DIPPING | |
| The influence of sublethal dosages of insecticides on the basal follicles of <i>Aedes aegypti</i> (L.). (abstract). | 14986 | Analysis of Durshan in livestock dips and sprays. | 15658 |
| Extraction of chlorinated pesticide residues from nonfatty samples of low moisture content. | 15550 | DIPRIONIDAE | |
| Study of modifications of the Mills procedure for chlorinated pesticides in dairy products. | 15562 | Parasites of the red-pine sawfly, <i>Neodiprion nanulus</i> nanulus (Hymenoptera: Diprionidae), in New Brunswick. | 14844 |
| Rapid cleanup of dairy products for analysis of chlorinated insecticide residue by electron capture gas chromatography. | 15568 | Candling and sighting techniques used in laser investigations of the European pine sawfly, <i>Neodiprion sertifer</i> (Hymenoptera: Diprionidae). | 14902 |
| Metabolism of DDT and some other chlorinated organic compounds by <i>Aerobacter aerogenes</i> . | 15571 | DIPTEHA | |
| Screening method for the detection of chlorinated hydrocarbon pesticide residues in the fat of milk, cheese, and butter. | 15572 | New technique for preparation and study of moth flies. | 14908 |
| The determination of pesticides in tissues with the electron capture detector without prior cleanup. | 15578 | Safety of wildlife is important to planners of gnat-control program. | 15239 |
| Semi-automatic extraction of organic materials from water. Public Health Service Water Pollution Surveillance System Applications and Development Report 16. | 15665 | DIQUAT | |
| DIESEL FUELS | | Action and effectiveness of certain classes of herbicides. | 15667 |
| A preliminary report on a potential new mosquito control weapon. | 14982 | DISEASE TRANSMISSION | |
| Lindane in diesel oil prevents western pine beetle attacks for at least one year. | 15251 | Transmission of some insect viruses with particular reference to ovarian transmission and its importance in the development of epizootics. | 14862 |
| DIET | | DISEASES | |
| Control of chronic respiratory disease. II. The effect of low calcium diet, terephthalic acid and chlortetracycline. | 15383 | Biology of vector-associated diseases in Vietnam. | 15460 |
| DIETHYL 0,3,5,6-TRICHLORO-2-PYRIDYL PHOSPHOROTHIOATE, 0,0- | | DISODIUM OCTOBOATE TETRAHYDRAE | |
| Investigations on Durshan insecticide. metabolism of 0,0-diethyl 0-3,5,6-trichloro-2-pyridyl phosphorothioate and 3,5,6-trichloro-2-pyridinol in plants. | 15582 | Feed additives for control of house fly larvae in livestock feces. | 15503 |
| DIETHYLSTILBESTROL | | DISULFOTON | |
| Fecal elimination of estrogens by cattle treated with diethylstilbestrol and hexestrol. | 15290 | Reduction of aster yellows. | 15053 |
| | | DITHANE M-45 | |
| | | Control of cucumber scab due to <i>Cladosporium cucumerinum</i> . | 15092 |
| | | DIURNAL RHYTHM | |
| | | The importance of locomotor activity in circadian systems. | 14909 |
| | | The effect of circadian rhythm on the development of <i>Drosophila</i> . | 14941 |
| | | DODINE | |
| | | Dodine (Cyprex) effective against bacterial spot of peach. | 15032 |

SUBJECT INDEX

DOG FOODS

DOG FOODS

DDT and related compounds in dog food and CSMA media used in insect rearing. 15611

DOGS

The position of the canine prostrate gland. 15294

The ages at which the centers of ossification appear roentgenographically in the limb bones of the dog. 15295

Detection of leptospire in naturally infected dogs, using fluorescein-labeled antibodies. 15309

A quantitative measurement of the blood loss caused by ancylostomiasis in dogs. 15341

Calcium gout (Kalkgicht) and calcinosis circumscripta in dogs. 15345

Treatment of diarrhoea in dogs. 15380

Neoplasms of the canine and feline urinary bladder: Clinical findings, diagnosis, and treatment. 15423

Spontaneous abnormal cardiac arrhythmias and conduction disturbances in the dog. A clinical and pathologic study of 3,000 dogs. 15427

Clinical experiences with lincomycin--a new antibiotic. 15440

A coccidia-like organism associated with subcutaneous granulomata in a dog. 15464

Chemical ovidical measures as applied to Taenia hydatigena, Taenia ovis, Taenia pisiformis, and Echinococcus granulosus. 15516

DOSAGE

Effects of plant-bed applications of 2,6-dichloro-4-nitroaniline on control of sclerotial blight and on plant production in sweet potatoes. 15014

DOWICIDE B

Control of diseases of shallots. 15521

DOWNY MILDEW

Resistance of Brassica oleracea varieties to downy mildew. 15142

DOWNY MILDEW (LIMA BEANS)

Sporulation of Phytophthora phaseoli. 15086

Forecasting downy mildew of lima bean in Cape May County, New Jersey. 15087

Evidence for a chemical basis of resistance of lima bean plants to downy mildew. 15206

The occurrence and decline of downy mildew on lima beans in the Middle Atlantic states. 15215

Transmission of downy mildew of lima beans by slugs. 15218

DROSOPHILA

The effect of circadian rhythm on the development of Drosophila. 14941

DROSOPHILA MELANOGASTER

Dynamics of populations. II. factors controlling population growth and population size in Drosophila pseudoobscura and in Drosophila melanogaster. 14803

Stimuli provided by courtship of male Drosophila melanogaster. 14859

DROSOPHILA PSEUDOBSCURA

Dynamics of populations. II. factors controlling population growth and population size in Drosophila pseudoobscura and in Drosophila melanogaster. 14803

DRUG THERAPY

Chemotherapeutic control of a root-knot nematode. 15258

Treatment of chronic respiratory disease with tylosin. 15321

Treatment of experimental infectious sinusitis of turkeys with erythromycin. 15322

The chemotherapy of experimental babesiasis in mice and

splenectomized calves. 15402

The therapeutic value of terramycin-TPA on CBD. 15491

DRUGS

Viruses, serums, toxins, and analogous products. notice of extension of time to submit written data, views, or arguments. 15481

Selective residue determination of sulfur-, halogen-, and phosphorus-containing pesticides by helium-plasma emission spectrometry. 15656

Plasma enzyme levels in chickens, a measure of drug induced pathology. 15677

DRY ROT (WINTER SQUASH)

A dry rot of acorn squash, Cucurbita pepo. L. 15040

DUCKLINGS

Eastern encephalitis in white Pekin ducklings on long island. 15356

DUCKS

A modified microgel diffusion method and its application in the study of the virus of duck hepatitis. 15417

Studies on Pastenrella anatipestifer infection in white Pekin ducks. 15441

DUHSHAN

Cross-tolerance of California Aedes nigromaculis (Ludlow) larvae to EPN, Abate, and Dnrshan. (abstract). 14973

Evaluation of thermal and nonthermal fogs against four species of mosquitoes. (abstract). 14987

Analysis of Dnrshan in livestock dips and sprays. 15658

DUSTING

Dust containing Bacillus thuringiensis for control of chicken body, shaft, and wing lice. 15504

DYHENE

Organic fungicides for control of pecan scab. 15013

EASTERN EQUINE ENCEPHALOMYELITIS

Eastern encephalitis in white Pekin ducklings on long island. 15356

EASTERN EQUINE ENCEPHALOMYELITIS VIRUS

Relationships between eastern and western equine encephalomyelitis viruses as demonstrated by the hemagglutination-inhibition antibody response of experimentally infected chickens. 15419

ECHINOCOCCUS GRANULOSUS

Chemical ovidical measures as applied to Taenia hydatigena, Taenia ovis, Taenia pisiformis, and Echinococcus granulosus. 15516

ECITON

Chemical releases of social behavior-IV. The hindgut as the source of the odor trail pheromone in the neotropical army ant genus Eciton. 14807

ECOLOGY

Population ecology and pest control. 14993

Survival of infective larvae of the cattle nematodes, Cooperia punctata, Trichostrongylus axei, and Oesophagostomum radiatum. 15519

ECONOMIC PLANTS

Further additions to the list of fungus pathogens recorded in Chile. 15145

EDEMA

Pigweed (Amaranthus retroflexus). an oxalate-containing plant. 15404

Demonstrable antigens and a toxic factor in Oedema disease of swine. 15473

EDEMA DISEASE

Studies on hemolytic Escherichia coli associated with edema disease of swine. I. Separation and properties of a toxin of hemolytic Escherichia coli. 15351

SUBJECT INDEX

EPIZOOTIC DISEASES

- EGGS**
Some factors affecting Rous Sarcoma virus activity in the embryonated egg inoculated by the yolk - sac route. 15420
Detection and identification of salmonella from dried whole egg, dried egg yolk, and dried egg white: report of a collaborative study. 15537
Method for residues of Zytron, O-2,4-dichlorophenyl O-methyl isopropylphosphoramidothioate, in chicken tissues and eggs. 15565
- ELATERIDAE**
Soil treatments with broadcast or hand applications of organophosphorous or carbamate insecticides for prevention of wireworm damage to potatoes. 15227
- ELECTRON CAPTURE**
The determination of pesticides in tissues with the electron capture detector without prior cleanup. 15578
Simultaneous electron capture - microcoulometric detection for qualitative and quantitative pesticide analysis. (in: Gulf Coast Shellfish Sanitation Research Center. technical Memorandum (GCSSRC FY) 66 -2.). 15583
Extraction of the water with hexane followed by detection and assay using chromatographs equipped with electron capture and micro-coulometer detectors. 15600
- ELECTRON MICROSCOPY**
Notes: Electron microscopic investigation of sacbrood of the honey bee. 14865
Electron microscopy of the bovine heart in congestive failure of high mountain disease. 15361
Electron microscopy of Anaplasma marginale in the bovine erythrocyte. 15461
Electron microscopy of infectious canine hepatitis virus grown in cultures of canine kidney cells. 15475
Electron microscopy of equine abortion virus. 15476
- ELECTROPHORESIS**
Chemical and electrophoretic studies of the serums of cattle infected naturally with Asia-1 type foot-and-mouth disease virus. 15431
- EMBRYOLOGY**
Energy sources during embryogenesis of the yellow mealworm, Tenebrio molitor. 14938
- ENATION MOSAIC (PEAS)**
The ribonucleic acids of leaves and pods of peas infected with pea enation mosaic virus. 15017
Purification of pea enation mosaic virus. 15067
- ENDOCOMIDIOPHORA PARADOXA**
Storage and germination of cuttings and soil microorganisms as they relate to the pineapple disease of sugar cane. 15016
- ENDOSULFAN**
Effectiveness of various formulations of five insecticides on insects infesting douglas-fir logs. 15250
- ENDRIN**
Effect of sugarcane borer infestation on the yield and grade of corn. 15233
Effectiveness of various formulations of five insecticides on insects infesting douglas-fir logs. 15250
Methods for extracting insecticides from soil. 15545
Rapid cleanup of dairy products for analysis of chlorinated insecticide residue by electron capture gas chromatography. 15568
Loss of chlorinated hydrocarbon insecticides from soil surface in the field. 15573
Lethal endrin concentration in the blood of gizzard shad. 15603
Semi-automatic extraction of organic materials from water. public Health Service Water Pollution Surveillance System Applications and Development Report 16. 15665
- ENGLAND**
Pathogenicity of isolates of the bean wilt Fusarium from England and the United States. 15006
- ENTERITIS**
Lymphosarcoma in the rabbit. a case report and general review. 15487
- ENTEROTOXEMIA**
Enterotoxemia of sheep. II. distribution of I131 radioiodinated serum albumin in brains of Clostridium perfringens type D intoxicated lambs. 15376
Enterotoxemia of sheep. I. Effects of Clostridium perfringens type D toxin on the brains of sheep and mice. 15377
- ENTEROVIRUSES**
Studies on enteroviruses of the pig-V. the experimental disease induced in pathogen-free, colostrum-deprived pigs by the T80 and T52A strains of a swine polioencephalomyelitis virus. 15327
Studies on the enteroviruses of the pig-IV. the isolation in tissue culture of a possible enteric cytopathogenic swine orphan (ECHO) virus (V13) from the feces of a pig. 15399
- ENTOMOGENOUS FUNGI**
Pathogenicity of different strains of Entomophthora coronata (Costantin) Kevorkian for larvae of the greater wax moth. 14935
Spicaria rileyi (Farlow) Charles, an entomogenous fungus of Trichoplusia ni Huehner). 15237
- ENTOMOPHTHORA CORONATA**
Pathogenicity of different strains of Entomophthora coronata (Costantin) Kevorkian for larvae of the greater wax moth. 14935
- ENZYMES**
Lysozyme-like action of enzymes from the cockroach Periplaneta americana and from some other sources. 14934
Analysis of proteins and enzymes of the interaction between Phaseolus vulgaris and Pseudomonas phaseolicola (halo blight of beans). 15642
Some biochemical effects of alkylating agents. 15676
Plasma enzyme levels in chickens, a measure of drug induced pathology. 15677
- EPHEDRUS**
Biology of the black cherry aphid in the Willamette Valley, Oregon. 15238
- EPHEMEROPTERA**
The submaginal cuticle of the mayfly Callibaetis sp. (Ephemeroptera). 14942
Development of DDT resistance in certain mayflies in New Brunswick. 14970
- EPIDEMIOLOGY**
Stemphylium ray speck of chrysanthemum. 15195
- EPIZOOTIC DISEASES**
Transmission of some insect viruses with particular reference to ovarian transmission and its importance in the development of epizootics. 14862
The epizootiology of virus diseases in field populations of the armyworm, Pseudaletia unipuncta (Haworth). 14964
Report on the pullorum disease testing results for the 32nd northeastern conference on avian diseases. 15312
Case report- An outbreak of ornithosis in New Mexico. 15367
Transmission of chronic respiratory disease in chickens. 15422
An epizootic of histiocytic sarcomas in chickens induced by a cell-free agent. 15430
Epizootic hemorrhagic disease in white-tailed deer- characteristic of the South Dakota strain of virus. 15436

SUBJECT INDEX

| | |
|---|-------|
| EPN | |
| EPN | |
| Cross-tolerance of California <i>Aedes nigromaculis</i> (Ludlow) larvae to EPN, Abate, and Dursban. (abstract). | 14973 |
| Efficiency of granulated insecticides influenced by solvents used for impregnation. | 14978 |
| EPTC | |
| Uptake of radioactive ethyl NM-DI-M-PROPYLTHIOCARBAMATE (EPTC-35 S) and translocation of sulphur-35 in various crops. | 14992 |
| EQUINE ENCEPHALOMYELITIS | |
| Viral encephalomyelitis of equines and domestic ruminants in the Near East. i. | 15350 |
| EQUINE RHINOPNEUMONITIS | |
| Electron microscopy of equine abortion virus. | 15476 |
| EQUIPMENT | |
| Dust containing <i>Bacillus thuringiensis</i> for control of chicken body, shaft, and wing lice. | 15504 |
| Semi-automatic extraction of organic materials from water. public Health Service Water Pollution Surveillance System Applications and Development Report 16. | 15665 |
| A vapor trapping apparatus for determining the loss of EPTC and other herbicides from soils. | 15684 |
| ERWINIA AMYLOVORA | |
| Beta-glucosidase activity in <i>Erwinia amylovora</i> and <i>Pseudomonas syringae</i> . | 15171 |
| Filament form of <i>Erwinia amylovora</i> . | 15211 |
| ERYSIPHE | |
| Genetics of resistance to <i>Erysiphe polygoni</i> in <i>Trifolium pratense</i> . | 15193 |
| ERYTHROCYTE SEDIMENTATION RATE | |
| Studies on the erythrocyte sedimentation rate in domestic animals. VII. Bouleau formation. | 15303 |
| ERYTHROCYTES | |
| Erythrocyte survival studies in domestic and bighorn sheep, using glycine-2-C14. | 15299 |
| Erythrocyte survival in experimental anaplasmosis. | 15319 |
| Studies in anaplasmosis. IV. Development of the causative agent in deer erythrocytes transfused into calves. | 15398 |
| Immune response to sheep erythrocytes with cytoxin and hyaroxia. | 15465 |
| Correlation of the effects of parathion on erythrocyte cholinesterase with symptomatology in pigs. | 15574 |
| ERYTHROCYCIN | |
| Treatment of experimental infectious sinusitis of turkeys with erythrocytin. | 15322 |
| Food additives permitted in the feed and drinking water of animals of for the treatment of food-producing animals. food additives permitted in food for human consumption. erythro-mycin. | 15484 |
| ESCHERICHIA | |
| Clinical management of neonatal diarrhea in calves, with special reference to pathogenesis and diagnosis. | 15447 |
| Pathogenesis and prevention of infectious diarrhea (scours) of newborn calves. | 15452 |
| ESEBINE | |
| Induction of scintillation in the firefly. | 14870 |
| ESTERASES | |
| Esterases of crystalliferous bacteria pathogenic for insects: epizootiological applications. | 14929 |
| ESTIGMENE | |
| A fungus disease of the salt-marsh caterpillar in Arizona. | 15253 |
| ETBION | |
| Food additives permitted in food for human consumption. Etbion. | 15595 |
| ETHIONINE | |
| Systemic and fungicidal activity of D-, L-, and DL-ethionine, S-alkyl-DL-HOMOCYSTEIN derivatives, and methionine antagonists. | 15138 |
| ETHNOLOGY | |
| Oat smut races of the South Atlantic States. | 15115 |
| ETROXYQUIN | |
| Influence of pre-storage treatments on the mortality of the San Jose scale (Homoptera: Diaspididae) on apples held in storage. | 15532 |
| ETBYL NM-KI-M-PROPYLTHIOCARBAMATE | |
| Uptake of radioactive ethyl NM-DI-M-PROPYLTHIOCARBAMATE (EPTC-35 S) and translocation of sulphur-35 in various crops. | 14992 |
| ETBYL METANESULFONATE | |
| Varying the EMS effect on barley by changing the various treatment and postwashing temperatures. | 15614 |
| Induced polygenic mutations in hexaploid wheats. | 15621 |
| ETHYLENE DIBROMIDE | |
| The biology and ecology of <i>Dendroctonus valens</i> Flec., and the biology, ecology, and control of <i>Dendroctonus frontalis</i> (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). | 15165 |
| ETHYLENIMINE | |
| Fumigant toxicity of 1,2,3-tribromopropene, ethylenimine, crotyl bromide and carbon tetrachloride to stored-product insects. | 14888 |
| ETIOLOGY | |
| The etiology of legume bloat-nonvolatile acids. | 15457 |
| EUROPE | |
| Pesticide safety and use in Europe. | 15695 |
| EUROPEAN FOULBROOD | |
| The pathogenicity for honey-bee larvae of microorganisms associated with European foulbrood. | 14855 |
| EXCRETA | |
| Fecal elimination of estrogens by cattle treated with di-ethylstilbestrol and hexestrol. | 15290 |
| EXOBASIDIUM VEXANS | |
| Epidemiology of tea blister blight (<i>Exobasidium vexans</i>). III. Spore deposition and disease prediction. | 15095 |
| EXOCORTIS (CITBUS) | |
| Rapid indexing of exocortis in citrus. | 15021 |
| Nitrogen as a factor in the development of exocortis of citrus. | 15203 |
| EXTENSION WORK | |
| 1967 insecticide recommendations; peach insect control (commercial). | 15225 |
| EXTRACELLULAR SUBSTANCES | |
| Failure to confirm the synthesis of TMV in a cellfree system. | 15208 |
| EXTREMITIES | |
| The ages at which the centers of ossification appear roentgenographically in the limb bones of the dog. | 15295 |
| EXUDATES | |
| The effect of corn root exudate on the growth of five fungi associated with corn roots. | 15132 |
| FACIAL ECZEMA | |
| Some observations on field cases of facial eczema: liver pathology and determination of serum bilirubin, cholesterol, transaminase and alkaline phosphatase. | 15354 |
| FANLEAF (GBAPES) | |
| Inoculation of etiolated but light-treated leaves of grape with fanleaf virus. | 15079 |
| FARNEBS | |
| Opportunities and challenges are ahead for fertilizer industry. | 15694 |

SUBJECT INDEX

FLORIDA

| | |
|---|--|
| FARMS Case report- botulism type C outbreak on a pheasant game farm. 15486 | FERTILIZERS Effects of light, temperature, and fertilizer on infection of wheat leaves by Septoria tritici. 15047 Phosphorus fertilization and the phytotoxicity of simazine. 15613 Opportunities and challenges are ahead for fertilizer industry. 15694 |
| FARNESOIC ACID Inhibition of metamorphosis and of ecdysis in mosquitoes. 14959 | FETAL DEATH Factors producing embryonic and fetal abnormalities, death, and abortion in swine. excerpts from the Symposium on Factors Producing Embryonic and Fetal Abnormalities, Death, and Abortion in Swine, sponsored by the National Academy of Science, U.S. livestock Sanitary Association, and Agricultural research service, U.S. department of agriculture. October 2-3, 1967, Chicago, Illinois. 15485 |
| FASCIOLA HEPATICA Pharmacology and toxicology of carbon tetrachloride in the sheep. iv. reduction and augmentation of toxicity to sheep. 15397 | FIREBOARD Escape of methyl bromide through wallboards. 15581 |
| FATS Toxicity of topically applied fats and oils. 15520 Analysis of chlorinated pesticide residues in fats and oils, utilizing dimethyl sulfoxide: a collaborative study. 15558 | FIELD CHOPS Notice of filing of petition regarding pesticides. 15587 |
| FECES Fecal elimination of estrogens by cattle treated with diethylstilbestrol and hexestrol. 15290 Feed additives for control of house fly larvae in livestock feces. 15503 | FIELD MICE Natural occurrence of leptospirosis in the meadow vole, Microtus pennsylvanicus. 15343 |
| FEED The problem of Salmonella organisms in animal by-products and feeds. 15360 Ingestion of Ammi visnaga seeds and photosensitization - The cause of vesicular dermatitis in fowls. 15478 A survey to determine the salmonella contamination rate in livestock and poultry feeds. 15535 Extraction of chlorinated pesticide residues from nonfatty samples of low moisture content. 15550 | FIGS Note on identification of azinphosmethyl in human tissues. and in figs. 15579 |
| FEED ADDITIVES Notice of filing of petition for food additives. 15482 Notice of filing of petition for food additive biuret. 15483 Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. food additives permitted in food for human consumption. erythromycin. 15484 Feed additives for control of house fly larvae in livestock feces. 15503 Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. food additives permitted in food for human consumption. thiahen-dazole. 15596 | FILTER PAPER Note on staining as an aid in counting vinegar eelworms in vinegar. 15534 |
| FEEDING Mosquitoes feeding on a frog. 14868 Some problems associated with weighing aphids that have fed after starving, as a method of measuring intake of plant sap. 14943 | FIRE BLIGHT (PEARS) Longevity of the fire blight organism, Erwinia amylovora on pear trees in the greenhouse as demonstrated by infection after sandblast injury. 14901 Tree nutrition and fire blight development. 15151 |
| FENTHION Attraction of melon flies to lures on foliage or cane fibers at various heights. 14890 Insecticidal and naturalistic control chironomid larvae in Lake Dalwigk, Vallejo, California. 14919 | FISH Insecticidal and naturalistic control chironomid larvae in Lake Dalwigk, Vallejo, California. 14919 Preliminary report on the feeding pattern of two species of fish in a rice field habitat. 14988 Fish, wildlife unaffected by boll weevil program. 15557 Notice of filing of petition for food additive oxytetracycline. 15585 Lethal endrin concentration in the blood of gizzard shad. 15603 |
| PENURON Action and effectiveness of certain classes of herbicides. 15667 | FISHKILL Infrared identification of chlorinated insecticides in the tissues of poisoned fish. 15553 Lethal endrin concentration in the blood of gizzard shad. 15603 |
| FERMENTATION Eradication of soil fungi by a combination of crop residue, flooding, and anaerobic fermentation. 15213 | PLEAHOPPERS Several insects cause concern. 14991 |
| FERTILITY Fecundity, longevity, and transinfectivity of citrus red mites (Panonychus citri) infected with a noninclusion virus. 14883 Phenotypic restoration of fertility in a male-sterile mutant by treatment with gibberellic acid. 15629 | FLOCCULATION Detection of potato virus X in tubers by the bentonite flocculation test. 15175 |
| | FLOODS Eradication of soil fungi by a combination of crop residue, flooding, and anaerobic fermentation. 15213 |
| | FLORIDA Relative susceptibility of salt-marsh mosquitoes from Georgia and Florida to insecticides. 14967 Panel: opposing philosophies in mosquito control technology: emphasis on control of adult mosquitoes in Florida. 14980 Cattle grub control with Bayer 21-199 in the Everglades. 15513 |

SUBJECT INDEX

| | | |
|---|-------|---|
| FLODR | | |
| FLODR | | |
| Quinoid secretions in grain and flour beetles. | 15531 | tolerances for pesticide chemicals in or on raw agricultural commodities. 0-Phenylphenol and its sodium salt. 15593 |
| FLDORENAMINE | | |
| Notes: Effect of certain carcinogenic 2-fluorenamine derivatives on larvae of the house fly, <i>Musca domestica</i> Linnaeus. | 14952 | Food additives permitted in food for human consumption. 1,1-Bis(p-chlorophenyl)-2,2,2-trichloroethanol. 15594 |
| FLUORESCENT ANTIRODY TECHNIC | | |
| Demonstration of nuclear polyhedrosis in <i>Bombyx mori</i> (Linnaeus) by fluorescent antibody technique. | 149D3 | Notice of filing of petition regarding pesticides. 15597 |
| FLUORESCENT SDBSTANCES | | |
| Accumulation of fluorescent compounds in tobacco associated with tobacco mosaic virus hypersensitivity. | 15D72 | Notice of filing of petition regarding pesticides. 15599 |
| FLUORIDES | | |
| Effects of fluoride on magnesium deficiency in the guinea pig. | 15446 | Extraction of the water with hexane followed by detection and assay using chromatographs equipped with electron capture and micro-coulometer detectors. 15600 |
| FLUORINE | | |
| Vertebral biopsy in cattle. | 15445 | DDT and related compounds in dog food and CSMA media used in insect rearing. 15611 |
| FOLPET | | |
| Control of cucumber scab due to <i>Cladosporium cucumerinum</i> . | 15092 | FOOD STORAGE |
| Relation between residues of folpet and control of brown rot on sour cherry fruit in Door County, Wisconsin, 1962. | 15137 | Effect of moisture content and length of storage period upon germination percentage of seeds of corn, wheat, and barley free of storage fungi. 15524 |
| FOOD ADDITIVES | | |
| Notice of filing of petition for food additive oxytetracycline. | 15585 | FOOT-AND-MOUTH DISEASE VIRDS |
| Notice of withdrawal of petition for food additives. | 15590 | Foot-and-mouth disease virus- its behavior in cattle after serial passages in chicken embryos and chicks. 15352 |
| DDT. proposed establishment of pesticide and food additive tolerances. | 15592 | Production of foot-and-mouth disease virns with high complement-fixing antigenicity. 15428 |
| Food additives permitted in food for human consumption. 1,1-Bis(p-chlorophenyl)-2,2,2-trichloroethanol. | 15594 | Chemical and electrophoretic studies of the serums of cattle infected naturally with Asia-1 type foot-and-mouth disease virns. 15431 |
| Food additives permitted in food for human consumption. Ethion. | 15595 | Foot-and-mouth disease virus. II. Propagation and modification of 3 immunologic types of virns in embryonating chicken eggs. 15498 |
| Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. food additives permitted in food for human consumption. thiabendazole. | 15596 | Foot-and-mouth disease virus. I. Propagation of 3 immunologic types of virus in chicks. 15499 |
| FOOD ANALYSIS | | |
| Extraction of the water with hexane followed by detection and assay using chromatographs equipped with electron capture and micro-coulometer detectors. | 15600 | FORAGE PLANTS |
| FOOD CONTAMINATION | | |
| Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. food additives permitted in food for human consumption. erythromycin. | 15484 | Species of <i>Leptosphaerulina</i> on forage plants. 15063 |
| Note on staining as an aid in counting vinegar eelworms in vinegar. | 15534 | Loss in oats grown for forage in Texas due to occurrence of new races of crown rust. 15161 |
| A survey to determine the salmonella contamination rate in livestock and poultry feeds. | 15535 | FORECASTING |
| Detection and identification of salmonella from dried whole egg, dried egg yolk, and dried egg white: report of a collaborative study. | 15537 | Epidemiology of tea blister blight (<i>Exobasidium vexans</i>). III. Spore deposition and disease prediction. 15095 |
| Rapid cleanup of dairy products for analysis of chlorinated insecticide residue by electron capture gas chromatography. | 15568 | FOREIGN TRADE |
| Simple ultrasensitive test for detecting penicillin in milk. | 15575 | Pesticide safety and use in Europe. 15695 |
| Rapid screening method for DDT in milk with gas chromatography. | 15580 | FOREST INSECTS |
| Simultaneous electron capture - microcoulometric detection for qualitative and quantitative pesticide analysis. (in: Gulf Coast Shellfish Sanitation Research Center. technical Memorandum (GCSSRC FY) 66 -2.). | 15583 | Soil fauna research in the forest of Manres (Var). the date of Fournel (Coleoptera). 14822 |
| Notice of filing of petition for food additive oxytetracycline. | 15585 | Distribution of bidrin in the foliage of treated trees. 15230 |
| Food and food products. tolerances and exemptions from | | |
| | | Bark beetle mortality in precommercial herbicide thinnings of western hemlock. 15245 |
| | | Lindane in diesel oil prevents western pine beetle attacks for at least one year. 15251 |
| | | Late-season control of European elm scale with bidrin trunk injections. 15612 |
| | | FOREST NDRSEBIES |
| | | Potential pathogenicity of <i>Pythium</i> isolates from forest nurseries. 15204 |
| | | FOREST SOILS |
| | | The behavior of insecticides in forest soils. 15539 |
| | | The behavior of DDT and Zectran on a forest soil. 15544 |
| | | FORESTS |
| | | Determination of Zectran residues in aerial forest spraying. 15576 |
| | | FORMALDEHYDE |
| | | The effectiveness of formalin in controlling jaundice (nuclear polyhedrosis) of the silkworm in Poland. 14885 |
| | | FORNICIDAE |
| | | Constituents of Dufour's gland in <i>Myraecia gulosa</i> . 14872 |

SUBJECT INDEX

FUSARIUM

FORMULATIONS

- Analysis of Durshan in livestock dips and sprays. 15658
- Pesticides' unsung assistants. 15663

FOWL CHOLERA

- Atypical Pasteurella infections in chickens. 15342
- Studies on pasteurellosis. IV. Killed fowl cholera vaccine adsorbed on aluminum hydroxide. 15381
- Studies on pasteurellosis. III. Control of experimental fowl cholera in chickens and turkeys with an emulsified killed vaccine. 15382
- An unusual aspect of Pasteurella pseudotuberculosis in turkeys. 15395
- Studies on Pasteurella anatipestifer infection in white Pekin ducks. 15441

FOWLPOX

- Experience with fowl pox vaccination. 15470

FRANCE

- Contribution to the study of ovine listeriosis and immunoprophylaxis against the disease in France. 15414

FROGS

- Mosquitoes feeding on a frog. 14868

FRUIT

- Plant-to-plant transfer of stone fruit ringspot virus in squash by pollination. 15035
- Ceratocystis canker of stone fruit trees. 15037
- Residue studies of tomato foliage and fruits from plants receiving FEBC- "14 pre- or post-emergence. 15560

FUMARIC ACID

- Role of fumaric acid in the hull rot disease of almond. 15136

FUMIGANTS

- The efficacy of various fumigants in controlling Verticillium wilt in south-central Washington. 15184

FUMIGATION

- Effect of storage environment on quality of table grapes and on requirements of sulfur dioxide fumigation program. 15527

FUNGI

- Colonization of shortleaf pine stems. 14990
- Severity and distribution of cotton boll rot as related to temperature. 15070
- Fungi associated with larvae of Sitona spp. 15097
- Comparison pathogenicity studies of fungi associated with corn stalk rot. 15152
- Control of the eastern tent caterpillar, Malacosoma americanum (Fabricius), by distribution of spores of two species of Clostridium. 15226
- Prevention of photodynamic killing of fungal cells by carotenoids. 15620
- Light absorption by living mycelia of fungi before and after exposure to near-ultraviolet radiation. 15633
- Effect of certain fungi on the growth of dwarf tomatoes in gnotobiotic conditions. 15634
- Control of pathogenic fungi, nematodes, and weeds by pre-planting chemical treatments. 15640
- Pectin trans-eliminase and polygalacturonase production by Rhizoctonia solani and other fungi. 15645
- Effects of surfactants on fungi. 15647
- Fixation of HC14N by fungi. 15649

FUNGICIDES

- An evaluation of certain fungicide - adjuvant combinations for control of pecan scab. 15012

Effects of plant-hed applications of 2,6-dichloro-4-nitro-aniline on control of sclerotial blight and on plant production in sweet potatoes. 15014

An evaluation of two fungicides as soil treatments with and without herbicide for tomato fruit control. 15029

Antibiotic treatment of young loblolly pines infected with fusiform rust. 15050

Control of Verticillium wilt of peppermint by soil fumigation in muck soil. 15065

Control of asparagus rust with a mixture of maneb and nickel sulfate. 15109

A bioassay for volatile toxicants from fungicides in soil. 15162

Factors affecting field performance of nickel salt plus dithiocarbamate fungicide mixtures for the control of wheat rusts. 15201

Eradication of soil fungi by a combination of crop residue, flooding, and anaerobic fermentation. 15213

Effect of fungicides on the larval emergence of the tobacco cyst nematode. 15264

Notice of filing of petition regarding pesticides. 15586

Notice of filing of petition regarding pesticides. 15588

Toxic behavior of two itaconimides. 15622

Effects of surfactants on fungi. 15647

Use of chromatography for selecting systemic quaternary ammonium fungicides. 15660

Movement of nonvolatile, diffusible fungicides through columns of soil. 15669

Fungal compositions and methods for their use. patent 3,370,957. 15675

FUNGUS

The efficacy of various fumigants in controlling Verticillium wilt in south-central Washington. 15184

FUNGUS DISEASES (INSECTS)

A fungus disease of the salt-marsh caterpillar in Arizona. 15253

FUNGUS DISEASES (PLANTS)

Antibiotic treatment of young loblolly pines infected with fusiform rust. 15050

Alternaria of cotton in Somalia. 15061

Fungi associated with Gladiolus roots under continuous cropping conditions. 15088

The occurrence of a Phytophthora root and leaf disease of black pepper in Jamaica. 15106

Genetics of resistance to Erysiphe polygoni in Trifolium pratense. 15193

The occurrence and decline of downy mildew on lima beans in the Middle Atlantic States. 15215

Appraisal of biological control of Arcenthobium campylopodum F. campylopodum by Colletotrichum gloeosporioides. 15283

Control of diseases of shallots. 15521

Properties of purified acid phosphatases from healthy and rust-infected bean leaves. 15652

FUNGUS DISEASES PLANTS

Factors in the production and stimulation of some antibiotics of fungal origin inhibiting the growth of pathogenic fungi. 15140

FUSARIUM

Pathogenicity of isolates of the bean wilt Fusarium from England and the United States. 15006

The effect of corn root exudate on the growth of five fungi

SUBJECT INDEX

GALLEBIA

- associated with corn roots. 15132
Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160

GALLEBIA

- The mechanisms of pathogenicity of *Pseudomonas aeruginosa* (Schroeter) Migula. i. The pathogenicity of strain N-06 for larvae of the greater wax moth, *Galleria mellonella* (Linnaeus). 14911
Pathogenicity of different strains of *Entomophthora coronata* (Costantin) Kevorkian for larvae of the greater wax moth. 14935
Quantitative studies on purine excretion in the greater wax moth, *Galleria mellonella*. 14966

GALLEBIA MELLONELLA

- Pigment-producing variants of *Bacillus thuringiensis* Berliner from the silkworm. 14953

GAMBUSIA

- Preliminary report on the feeding pattern of two species of fish in a rice field habitat. 14988

GAMETOGENESIS

- Gametogenesis in the house fly, *Musca domestica*. 14879

GAMMA GLOBULINS

- Gamma globulin levels and neonatal mortality in market calves. 15372

GAMMA RAYS

- Induced polygenic mutations in hexaploid wheats. 15621

GARBAGE (FEED)

- High mortality in Florida swine herd infected with the encephalomyocarditis virus. an accompanying epizootiologic survey. 15369

GASTROINTESTINAL SYSTEM

- Microorganisms from the mid-gut of the larva of *Tenebrio obscurus* Fabricius. 14924

GENES

- Effect of major and minor gene interaction on adaptive parasitism in *Phytophthora infestans*. 15631

GENETICS

- Behaviour and random mating. 14931

GEOMETRIDAE

- Guide to the Geometridae of Canada (Lepidoptera). I. subfamily Sterrhinae. 14831

GEORGIA

- Relative susceptibility of salt-marsh mosquitoes from Georgia and Florida to insecticides. 14967

- Infestation of the imported fire ant, *Solenopsis saevissima* v. *richteri*, at Fort Benning, Georgia. 14981

- Isolation of *Listeria monocytogenes* from brains of rabies-negative animals. 15438

GERMINATION REDUCTION

- Effect of virus yellows on yield and quality of sugar beet seed. 15080

GIBBERELLA

- The effect of corn root exudate on the growth of five fungi associated with corn roots. 15132

GIBBERELLIC ACID

- The effect of growth substances on *Verticillium* wilt of. 15181

- Phenotypic restoration of fertility in a male-sterile mutant by treatment with gibberellic acid. 15629

GIBBERELLINS

- An evaluation of the rate of reproduction of the two-spotted spider mite reared on gibberellin-treated bean plants. 14876

- GLADIOLUS**
Fungi associated with Gladiolus roots under continuous cropping conditions. 15088

GLANDS (ANIMALS)

- The position of the canine prostrate gland. 15294

GLONEBELLA

- A dry rot of acorn squash, *Cucurbita pepo* L. 15040

GLUCOSIDASES

- Beta-glucosidase activity in *Erwinia amylovora* and *Pseudomonas syringae*. 15171

GLYCOGEN

- Energy sources during embryogenesis of the yellow mealworm, *Tenebrio molitor*. 14938

GLYCOLIPIDES

- The glycerolipids of *Mycoplasma mycoides*. 15439

GNATHS

- Studies on the gonads of some immature mosquitoes. 14866

GONOMETA

- A noninclusion virus of *Gonometa podocarpi* (Lepidoptera: Lasiocampidae). 14889

GOSSYPABIA SPUBIA

- Late-season control of European elm scale with hydrix trunk injections. 15612

GOUT

- Calcium gout (Kalkgicht) and calcinosis circumscripta in dogs. 15345

GRAIN

- Quinoid secretions in grain and flour beetles. 15531

GRABULOMA

- A coccidia-like organism associated with subcutaneous granuloma in a dog. 15464

GRANULOSES

- Methods for staining capsular virus inclusion bodies typical of granulooses of insects. 14894

- The epizootiology of virus diseases in field populations of the armyworm, *Pseudaletia unipuncta* (Baworth). 14964

GRAPES

- Inoculation of etiolated but light-treated leaves of grape with fanleaf virus. 15079

- Sting nematode on grape cuttings in Florida. 15168

- Effect of storage environment on quality of table grapes and on requirements of sulfur dioxide fumigation program. 15527

GRASSES

- Grasshopper damage on short-grass rangeland of the San Carlos Apache Indian Reservation, Arizona. 15247

GREEN RING MOTTLE (CHERRIES)

- Evidence against seed transmission of green ring mottle virus in Mazzard cherry seedlings. 15060

GREENHOUSE CULTURE

- Typical field symptoms of pea viroses produced in greenhouse by deferring inoculation until flowering time or later. 15157

- A constant temperature bath for pot-grown plants. 15688

GREENHOUSES

- Propagation of braconid parasites of the pea aphid. 14887

GRISEOFULVIN

- Control of *Alternaria* blight of rape and mustard by griseofulvin. 15085

GRYLLIDAE

- Effects of carbon dioxide anesthesia on the house cricket, *Acheta domesticus* (Orthoptera: Gryllidae). 14932

GUANAZOLO

- Protection of cucumber seedlings from stone fruit ringspot virus by 8-azaguanine. 15099

SUBJECT INDEX

| | | HERBICIDES |
|--|-----------|---|
| GUAB | | 15232 |
| Leaf spot of gnar caused by <i>Pseudomonas syringae</i> in the United States. | 15148 | Comparison of field corn varieties for resistance to corn earworm and stored grain insect injury in the Everglades. |
| GUATEMALA | | 15530 |
| Pine cone rust in the highlands of Guatemala. | 15169 | |
| GUAVAS | | |
| Attraction of melon flies to lures on foliage or cane fibers at various heights. | 14890 | |
| GUINEA FIGS | | |
| Effect of cortisone on <i>Leptospira pomona</i> infection in the guinea pig. | 15302 | |
| Effects of fluoride on magnesium deficiency in the guinea pig. | 15446 | |
| Studies on infection and immunity with the lungworm, <i>Dicotylocaulus viviparus</i> (Bloch). I. active immunization of guinea pigs and rabbits. | 15488 | |
| GUMBOO DISEASE | | |
| Physicochemical properties of the infectiousursal agent (IHA). | 15326 | |
| GUMMY STEM BLIGHT (WATERMELONS) | | |
| Gummy stem blight resistance of introduced watermelons. | 15191 | |
| GYPONINAE | | |
| Studies of the Gyponidae: a new genus- <i>Chloronana</i> (Homoptera: Cicadellidae). | 14812 | |
| HABITATS | | |
| Preliminary report on the feeding pattern of two species of fish in a rice field habitat. | 14988 | |
| HAEMONCHOSIS | | |
| Survey on the helminths of dromedary in Chad, with special reference to gastro-intestinal strongylosis and haemonchosis (<i>Haemonchus longistipes</i>). | 15514 | |
| HALO BLIGHT (BEANS) | | |
| Analysis of proteins and enzymes of the interaction between <i>Phaseolus vulgaris</i> and <i>Pseudomonas phaseolicola</i> (halo blight of beans). | 15642 | |
| HANDBOOKS | | |
| Guide to the analysis of pesticide residues. | S8953.h8. | |
| | 15554 | |
| Farm chemicals handbook. 1968 ed. | 15692 | |
| HARVESTING DATE | | |
| Mortality of the San Jose scale (Homoptera: Diaspididae) on stored apples of different varieties and harvest dates. | 15533 | |
| HEART | | |
| Electron microscopy of the bovine heart in congestive failure of high mountain disease. | 15361 | |
| A cardiac bleeding technique for small birds. | 15691 | |
| HEART RATE | | |
| An investigation of the housefly heart rate through transection experiments. | 14893 | |
| HEAT | | |
| Note: Elimination of microsporidiosis in laboratory-reared European corn borers by the use of heat. | 14939 | |
| Heat activation of virus inoculum. | 15059 | |
| Comparison of heat and quick freezing for relaxing nematodes prior to permanent mounting. | 15082 | |
| HELIOTHIS ZEA | | |
| Relationship of the crop capacity to the depletion of the fat body and egg development in the corn earworm, <i>Heliothis zea</i> , and the fall armyworm, <i>Laphygma frugiperda</i> (Lepidoptera: Noctuidae). | 14869 | |
| Histology of the reproductive tracts and transmission of sperm in the corn earworm, <i>Heliothis zea</i> . | 14871 | |
| Bacterial pathogens in Iowa corn insects. | 14940 | |
| Variety of soybean insects are active in several states. | | |
| HELMINTHOSPORIUM | | |
| The effect of corn root exudate on the growth of five fungi associated with corn roots. | 15132 | |
| Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. | 15160 | |
| Apple variety resistance to <i>Helminthosporium</i> leafspot. | 15197 | |
| HEMAGGLUTINATION | | |
| Serological investigation in French cattle; research on hemagglutination inhibiting antibodies due to myxovirus parainfluenza-3. | 15338 | |
| HEMORRHAGE | | |
| The development of petechial haemorrhages on the under-surface of the tongue of the horse and its relation to infection with the virus of equine infectious anaemia). das Auftreten von Punktblutungen auf der Zungenunterfläche des Pferdes und seine Beziehung zur Infektion mit dem Virus der infektiösen Anämie. | 15468 | |
| HEMP | | |
| Factors in lima bean and hemp seed required for oospore formation by species of <i>Phytophthora</i> . | 15615 | |
| HEPTACHLOR | | |
| Soil treatments with insecticides for control of the eye gnats <i>Hippelates collusor</i> and <i>H. hermsi</i> . | 14977 | |
| Infestation of the imported fire ant, <i>Solenopsis saevissima</i> v. <i>richteri</i> , at Fort Benning, Georgia. | 14981 | |
| Effect of soil treatments of heptachlor and parathion on predators and parasites of root maggots attacking rutabagas on Prince Edward Island. | 15249 | |
| Effectiveness of various formulations of five insecticides on insects infesting douglas-fir logs. | 15250 | |
| Study of modifications of the Mills procedure for chlorinated pesticides in dairy products. | 15562 | |
| HERBICIDE RESIDUES | | |
| Microcoulometric gas chromatography analysis of selected herbicides in water. | 15540 | |
| Residue studies of tomato foliage and fruits from plants receiving PERC- "14 pre-or post-emergence. | 15560 | |
| Metabolism of TOK herbicide in dairy cow. | 15564 | |
| Method for residues of Zytron, O-2,4-dichlorophenyl O-methyl isopropylphosphorothioate, in chicken tissues and eggs. | 15565 | |
| Determination of linuron and its known and/or suspected metabolites in crop materials. | 15566 | |
| Degradation of carbamate herbicides in soil. | 15567 | |
| Notice of filing of petition regarding pesticides. | 15587 | |
| Notice of filing of petition regarding pesticides. | 15589 | |
| Dicamba and its metabolite. notice of establishment of temporary tolerance. | 15591 | |
| Notice of filing of petition regarding pesticides. | 15597 | |
| Thin layer chromatography of some carbamate and phenylurea pesticides. | 15661 | |
| Factors affecting the vapor loss of EPTC from soils. | 15662 | |
| A vapor trapping apparatus for determining the loss of EPTC and other herbicides from soils. | 15684 | |
| HERBICIDES | | |
| Effect of s-triazine and phenylurea herbicides on soil fungi in corn- and soybean-cropped soil. | 15093 | |

SUBJECT INDEX

HERPESVIRUSES

- Influence of some representative herbicidal chemicals upon the growth of some soil fungi. 15134
- Bark beetle mortality in precommercial herbicide thinnings of western hemlock. 15245
- Effect of incorporation and method of irrigation on preemergence herbicide. 15279
- Inhibition of photochemical activity of isolated chloroplasts by acylanilides. 15280
- Herbicidal control of tall larkspur. 15282
- Variations in toxicity to bluegill sunfish of phenoxy herbicides. 15542
- Effects of chlorophenoxy herbicides on soybeans. 15646
- Infrared absorption spectra and polymeric structures of three s-Triazine herbicides and their metabolites. 15657
- Action and effectiveness of certain classes of herbicides. 15667
- Herbicide method utilizing glycol esters of 2,3,6-trichlorophenylacetic acid as herbicides. patent 3,325,273. 15670
- A vapor trapping apparatus for determining the loss of EPTC and other herbicides from soils. 15684

HERPESVIRUSES

- Isolation and properties of bovine herpesvirus from a calf with respiratory disease and keratoconjunctivitis. 15323

HERPESVIRUS BOSTOCHIENSIS

- Stimulation of hatching of the potato-root eelworm *Heterodera rostochiensis* by ion exchange resins. 15254

HERPESOPTERA

- On the ecology of *Anthocoris nemorum* (L) (Hemiptera: Heteroptera). 14810

HEXANE

- Extraction of the water with hexane followed by detection and assay using chromatographs equipped with electron capture and micro-coulometer detectors. 15600
- Hexane extractable chlorinated insecticides in human blood. 15606

HEXESTROL

- Fecal elimination of estrogens by cattle treated with diethylstilbestrol and hexestrol. 15290

HEXOSES

- Pyridine nucleotide-linked enzymatic reduction of triose, pentose, and hexose phosphates associated with rust infection. 15625

HIBERNATION

- Mined huds, a hibernation site for spruce budworm. 14804
- Overwintering in *Pemphigus hirsarius* (L.). 15243

HIPPELATES

- Soil treatments with insecticides for control of the eye gnats *Hippelates collusor* and *H. hermsi*. 14977

HIPPODAMIA

- Biology of the black cherry aphid in the Willamette Valley, Oregon. 15238

HIPPOLATES

- Loss of chlorinated hydrocarbon insecticides from soil surface in the field. 15573

HISTOLOGY

- A slide smear technique for the diagnosis of laryngotracheitis. 15318

HOG CHOLERA VIRUS

- Experimental inactivated-virus hog cholera vaccines' induction period of immunity. 15435
- Cytogenetic alterations in swine kidney cells persistently infected with hog cholera virus and propagated with and without antiserum in the medium. 15437

HOMICIDES

- Note on identification of azinphosmethyl in human tissues and in figs. 15579

HOMOCYSTINE

- Systemic and fungicidal activity of D-, L-, and DL-ethionine, S-alkyl-DL-HOMOCYSTEINE derivatives, and methionine antagonists. 15138

HOPS

- Soil fumigation by injection and irrigation for the control of nematodes on hops. 15261
- DDT, proposed establishment of pesticide and food additive tolerances. 15592

HORMONES

- Effects of hormones and injury on RNA synthesis in saturniid moths. 14861
- Variations in uterine response to experimental infection due to the hormonal state of the ovaries. II. The mobilization of leukocytes and their importance in uterine bactericidal activity. 15288

HORSES

- Tranquillizing horses with promazine hydrochloride. 15291
- A preliminary note on the use of an inactivated vaccine against equine pest. 15329
- Viral encephalomyelitis of equines and domestic ruminants in the Near East. I. 15350
- Persistent diarrhoea and vitamin B in the horse. 15418

- The development of petechial haemorrhages on the under-surface of the tongue of the horse and its relation to infection with the virus of equine infectious anaemia). das Auftreten von Punktblutungen auf der Zungenunterfläche des Pferdes und seine Beziehung zur Infektion mit dem Virus der infektiösen Anämie. 15468

HOT INDEXING (PLANTS)

- Hot range and properties of the globe artichoke curly dwarf virus. 15141

HOT SPECIFICITY

- Further additions to the list of fungus pathogens recorded in Chile. 15145

HULL ROT (PRUNUS AMYGDALUS)

- Hull rot disease of almonds. 15135
- Role of fumaric acid in the hull rot disease of almond. 15136

HUMAN DISEASES

- St. Louis encephalitis vector studies in Houston, Texas. 14983

HUMAN NUTRITION

- Use of emulsified fat for intraperitoneal alimentation. 15289

HUMANS

- La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. 8951.15. 14906

- Biology of vector-associated diseases in Vietnam. 15460

- Bovine papular stomatitis, pseudo-cow-pox and milkers' nodules. 15489

- Chemical ovicidal measures as applied to *Taenia hydatigena*, *Taenia ovis*, *Taenia pisiformis*, and *Echinococcus granulosus*. 15516

- DDT in humans and animals; determination of DDA in urine using an ion exchange resin. 15555

- The determination of chlorinated insecticides in human blood. 15556

- A sensitive procedure for urinary p-nitrophenol determination as a measure of exposure to parathion. 15559

- Determination of DDT and related substances in human fat. 15569

SUBJECT INDEX

IMMUNIZATION

- Note on identification of azinphosmethyl in human tissues.
and in figs. 15579
- Hexane extractable chlorinated insecticides in human blood. 15606
- Electron capture gas chromatography. 15674
- HUMIDITY**
Effect of moisture content and length of storage period upon
germination percentage of seeds of corn, wheat, and barley
free of storage fungi. 15524
- HYDRACRYLIC ACID BETA-LACTONE**
Studies on avian encephalomyelitis. III Immune response to
beta-propiolactone inactivated virus. 15336
- Newcastle disease: Preliminary field tests of
beta-propiolactone-killed vaccine. 15371
- Experimental inactivated-virus hog cholera vaccines'
induction period of immunity. 15435
- HYDROGEN SULFIDE**
A mechanism for continuous production of hydrogen sulfide in
soils submerged in water. 15664
- HYDROGEN-ION CONCENTRATION**
Influence of nutrition, pH, soil temperature, and soil
moisture on Phytium blight of highland bentgrass. 15139
- Investigations on Dursban insecticide. metabolism of
O,O-diethyl 0-3,5,6-trichloro-2-pyridyl phosphorothioate
and 3,5,6-trichloro-2-pyridinol in plants. 15582
- HYLEMIA**
Effect of soil treatments of heptachlor and parathion on
predators and parasites of root maggots attacking rutabagas
on Prince Edward Island. 15249
- HYMENOPTERA**
The hymenopterous parasites (Hymenoptera: Aphidiidae et
Aphelinidae) of the pea aphid in eastern North America. 14830
- Transmission of bacterial pathogens by the ovipositor of a
hymenopterous parasite. 14867
- Fungi associated with a wood wasp in dying pines in Tasman-
ia. 15205
- A wide-range variable temperature cabinet for bio-ecological
studies. 15689
- HYPERA**
Boll weevil survival in Carolinas higher than in 1961. 15231
- HYPERECTEINA**
Some difficult to distinguish species of the genus Hyper-
ecteina Schiner (Diptera, Larvaevoridae). 14808
- HYPERSENSITIVITY**
Accumulation of fluorescent compounds in tobacco associated
with tobacco mosaic virus hypersensitivity. 15072
- HYPODERMA**
Cattle grub control with Bayer 21-199 in the Everglades. 15513
- HYPODERMA BOVIS**
Comparative efficiency of coumaphos applications on various
body areas by brush-on or pour-on for the control of cattle
grubs. 15505
- HYPODERMA LINEATUM**
Comparative efficiency of coumaphos applications on various
body areas by brush-on or pour-on for the control of cattle
grubs. 15505
- ICE**
Reduction of peach decays by hydrocooling with chemical
solutions and chemically treated ice. 15188
- ICERYA**
Interference with the biological control of cottony-cushion
scale by insecticides and attempts to re-establish a favora-
ble natural balance. 15224
- ILEX**
Control of plant-nematodes and weeds in holly nurseries. 15257
- IMIDAN**
Note on extraction of a polar insecticide (Imidan) from
milk. 15551
- IMIDES**
Chemicals tested as space repellents for yellow-fever mos-
quitoes. II. carbanilates, benzamides, aliphatic amides,
and imides. 14915
- IMMUNITY**
Immune response to a plant virus bound or serologically pre-
cipitated in agar. 14999
- Studies on avian encephalomyelitis. I The use of a serum
-neutralization test in the detection of immunity levels. 15334
- Studies on avian encephalomyelitis. II Immune responses to
vaccination procedures. 15335
- Studies on avian encephalomyelitis. III Immune response to
beta-propiolactone inactivated virus. 15336
- The effect of parental immunity and age on the response to
infectious laryngotracheitis vaccination. 15346
- A pasture trial using 2 immunizing doses of a parasitic
bronchitis vaccine. 15391
- IMMUNIZATION**
The interaction of potato viruses X and Y in inoculated
tobacco leaves at various temperatures. 15051
- Studies on an immunogenic agent against Brucella abortus.
II. Preliminary studies of an immunologically active soluble
agglutinin. 15287
- Inoculation of microbes into the intestinal tracts of small
animals. 15298
- A preliminary note on the use of an inactivated vaccine
against equine pest. 15329
- The effect of parental immunity and age on the response to
infectious laryngotracheitis vaccination. 15346
- Newcastle disease immunity in broilers and caponettes vac-
cinated with killed-virus and live-virus vaccines. 15349
- A new method for the primary evaluation of anti-coccidial
activity. 15403
- Contribution to the study of ovine listeriosis and
immunoprophylaxis against the disease in France. 15414
- Experimental inactivated-virus hog cholera vaccines'
induction period of immunity. 15435
- Response of birds to one intranasal vaccination with B-1
strain of Newcastle disease virus. 15449
- Coexistence of infectious bronchitis and infectious
laryngotracheitis. 15451
- Avian encephalomyelitis immunization with inactivated virus. 15459
- Immune response to sheep erythrocytes with cytoxan and
hyaroxia. 15465
- Immunisation of sheep with multi-component clostridial vac-
cines. 15469
- Experience with fowl pox vaccination. 15470
- Studies on infection and immunity with the lungworm, Dic-
tyocaulus viviparus (Bloch). I. active immunization of
guinea pigs and rabbits. 15488
- Bovine babesiosis. the passive immunization of calves
against Babesia argentina with special reference to the
role of complement fixing antibodies. 15517

SUBJECT INDEX

IMMUNOCHEMISTRY

IMMUNOCHEMISTRY

Distribution of wound-tumor virus antigens in internal organs of an insect vector. 15182

The antigenic structure of virulent and avirulent strains of *Erysipelothrix rhusiopathiae*. II. immunochemic and serologic investigations. 15307

Factors affecting the production and detection of ornithosis antibodies in infected turkeys. 15425

Protein and isozyme patterns of sweet potatoes as related to acquired immunity. 15650

IMMUNOLOGY

Detection of bacterial contaminants in live virus poultry vaccines. 15384

A variant type of infectious bronchitis virus in a commercial vaccine. 15448

Response of birds to one intranasal vaccination with B-1 strain of Newcastle disease virus. 15449

INCLUSION BODIES

Methods for staining capsular virus inclusion bodies typical of granuloses of insects. 14894

Effect of urea on the formation of parasporal inclusions in species and varieties of *Bacillus cereus* group. 14957

Inclusion bodies associated with sugar beet mosaic. 15056

INCUBATION

Effect of incubation temperature on length and infectivity of potato virus X particles in four host species. 15068

INDEXES

Index to genera of pathogens listed in the "Index of Plant Diseases in the United States. 1. 15073

INDIA

India can feed itself. 15693

INDICATOR PLANTS

Variability of seedling clones of citron as indicators of exocortis virus of citrus. 14997

INDUSTRY

WACA discussions cover 'silent spring'. 15570

Opportunities and challenges are ahead for fertilizer industry. 15694

INFECTIOUS BRONCHITIS

Coexistence of infectious bronchitis and infectious laryngotracheitis. 15451

INFECTIOUS BRONCHITIS VIRUS

A variant type of infectious bronchitis virus in a commercial vaccine. 15448

INFECTIOUS CANINE HEPATITIS

Electron microscopy of infectious canine hepatitis virus grown in cultures of canine kidney cells. 15475

INFECTIOUS CANINE HEPATITIS VIRUS

Cytologic changes induced by infectious canine hepatitis virus in tissue culture. 15443

INFECTIOUS DISEASES

Effect of incubation temperature on length and infectivity of potato virus X particles in four host species. 15068

INFECTIOUS LARYNGOTRACHEITIS

The effect of parental immunity and age on the response to infectious laryngotracheitis vaccination. 15346

Coexistence of infectious bronchitis and infectious laryngotracheitis. 15451

A quick method for the diagnosis of avian pox and infectious laryngotracheitis. 15463

INFECTIOUS LARYNGOTRACHEITIS VIRUS

Conjunctivitis in chickens caused by a typical infectious laryngotracheitis virus. 15450

Tissue culture and chicken embryo techniques for infectious laryngotracheitis virus studies. 15680

INFECTIOUS SYNOVITIS

The cultivation and modification of the avian infectious synovitis agent in tissue culture. 15493

INFRARED PHOTOGRAPHY

Analysis of Dursban in livestock dips and sprays. 15658

INFRARED SPECTRA

Infrared identification of chlorinated insecticides in the tissues of poisoned fish. 15553

Infrared absorption spectra and polymeric structures of three s-Triazine herbicides and their metabolites. 15657

INJECTIONS

Soil fumigation by injection and irrigation for the control of nematodes on hops. 15261

INJURIES

Effects of hormones and injury on RNA synthesis in saturniid moths. 14861

INSECT ABNORMALITIES

A tergal abnormality in the German cockroach, *Blattella germanica* (L.). 14944

INSECT ADAPTATION

A comparison of the developmental rates of one- and two-year cycle spruce budworm. 14951

INSECT ANATOMY

Fine structure of the integument of the two-spotted spider mite, *Tetranychus telarius* (Acarina: Tetranychidae). 14849

The skeleto-muscular mechanism of the so-called anal legs in the centipede *Scolopendra amazonica* (Scolopendridae). 14897

The nervous system of certain abdominal segments and the innervation of the male reproductive system and genitalia of *Rhyalophora cecropia*. (Lepidoptera: Saturniidae). 14907

INSECT BEHAVIOR

The distribution, life history, and economic importance of the winter moth, *Operophtera brumata* (L.) (Lepidoptera, Geometridae) in Nova Scotia. 14811

A note on *Hoplitis producta* (Cress.) in Wisconsin (Hymenoptera: Megachilidae). 14833

Feeding behavior and host preferences of some black flies (Diptera: Simuliidae) in Wisconsin. 14851

A study of the flight of the Douglas-fir beetle *Dendroctonus pseudotsugae* Hopk. (Coleoptera: Scolytidae) III. Flight capacity. 14853

Feeding behavior of the large milkweed bug, *Oncopeltus fasciatus*. 14858

Mosquitoes feeding on a frog. 14868

Induction of scintillation in the firefly. 14870

Constituents of Dufour's gland in *Myrmecia gulosa*. 14872

Larval feeding behavior of the cabbage looper, *Trichoplusia ni*. 14886

The rearing of *Phlebotomus* sandflies (Diptera: Psychodidae) II. Development and behavior of Panamanian sandflies in laboratory culture. 14899

Life histories and habits of two species of *Philodromus* (Araneida: Thomisidae) in Ontario. 14936

Laboratory observations of aedine mosquito oviposition (Diptera, Culicidae, Aedes). 14976

INSECT BIOLOGY

Sampling studies with *Aedes vexans* and some other Wisconsin *Aedes* (Diptera: Culicidae). 14813

On the life history and habits of the palm weevil, *Rhynchophorus palmarius*. 14820

Life-history studies of *Amblyseius limonicus*, with comparative observations on *Amblyseius hibisci* (Acarina: Phytoseiidae). 14832

The winter biology of *Culex tarsalis* (Diptera: Culicidae)

SUBJECT INDEX

INSECT IDENTIFICATION

- in Kern county, California. 14837 A noninclusion virus of *Gonometa podocarpi* (Lepidoptera: Lasiocampidae). 14889
- Some notes on the life history of *Plega hanksi* (Neuroptera: Mantisidae). 14845 The mechanisms of pathogenicity of *Pseudomonas aeruginosa* (Schroeter) Migula. I. The pathogenicity of strain N-06 for larvae of the greater wax moth, *Galleria mellonella* (Linnaeus). 14911
- Rearing and biology of *Wohlfahrtia vigil* (Diptera: Sarcophagidae). 14875 Bacterial pathogens in Iowa corn insects. 14940
- Life history of the Monterey pine needle miner, *Argyresthia pilatella* (Lepidoptera: Yponomeutidae). 14898 Editorial: A call to invertebrate pathologists. 14961
- Tegminal amplifiers and spectrum consistencies in *Conocephalus nigropleurus* (Bruner), Tettigoniidae. 14925 The epizootiology of virus diseases in field populations of the armyworm, *Pseudaletia unipuncta* (Haworth). 14964
- Larval descriptions of two species of *Panorpa* (Mecoptera: Panorpidae), with notes on their biology. 14927 Food-plant spectrum and elimination of disease of cinnabar moth larvae, *Hypocrita jacobaeae* (L.) (Lepidoptera: Arctiidae). 15276
- Preliminary observations on the incidence and biology of a nematode of *Aedes sollicitans* in Louisiana. (abstract). 14933 INSECT DISSEMINATION
- Observations on *Odioporus longicollis* (Coleoptera, Curculionidae) in Kathmandu Valley and its suburbs. 14955 The distribution, life history, and economic importance of the winter moth, *Operophtera brumata* (L.) (Lepidoptera, Geometridae) in Nova Scotia. 14811
- Exposure of house flies and oriental rat fleas on a high-altitude balloon flight. 14962 Dispersal and migration of tepa-sterilized Mexican fruit flies. 14842
- Parasitism of *Sirex noctilio* P by *Schlettererius cinctipes* (Cresson) (Hymenoptera: Stephanidae). 14965 INSECT ECOLOGY
- The biology and ecology of *Dendroctonus valens* Flec., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165 Dynamics of populations. II. factors controlling population growth and population size in *Drosophila pseudoobscura* and in *Drosophila melanogaster*. 14803
- A wide-range variable temperature cabinet for bio-ecological studies. 15689 Ecology of an oasis. 14809
- INSECT CAGES
- Plastic pots compared with clay pots for rearing white-fringed beetle larvae. 14857 On the ecology of *Anthrenus nemorum* (L.) (Hemiptera: Heteroptera). 14810
- New methods of introducing visual and auditory cues. (abstract). 14974 The biology and ecology of *Dendroctonus valens* Flec., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165
- An inexpensive and effective indoor insectary. 15679 A wide-range variable temperature cabinet for bio-ecological studies. 15689
- A ventilation unit for aerating insectary sleeve cages. 15690 INSECT EGGS
- INSECT COLLECTING EQUIPMENT
- The CDC Sweeper, a six volt mechanical aspirator for collecting adult mosquitoes. (abstract). 15685 The effect of apholate and thiotepe on nucleic acid synthesis and nucleotide ratios in housefly eggs. 14930
- INSECT CONTROL
- Sexing of Mexican fruit flies. 14946 Preliminary observations on the incidence and biology of a nematode of *Aedes sollicitans* in Louisiana. (abstract). 14933
- Mosquito control activities of the U.S. Armed Forces in the Republic of Vietnam. 14975 Note: Elimination of microsporidiosis in laboratory-reared European corn borers by the use of heat. 14939
- Panel: opposing philosophies in mosquito control technology: emphasis on control of adult mosquitoes in Florida. 14980 The effect of circadian rhythms on the development of *Drosophila*. 14941
- A preliminary report on a potential new mosquito control weapon. 14982 Failure to isolate microorganisms from within mosquito eggs. 14968
- Source reduction through water management. 14985 A new bleaching technique with possible general use in entomology. 15686
- Safety of wildlife is important to planners of gnat-control program. 15239 INSECT FLIGHT
- INSECT CULTURES
- Studies on *Odontoloxozus longicornis* (Diptera: Meriidae.) Part I. Life history and descriptions of immature stages. 14839 A study of the flight of the Douglas-fir beetle *Dendroctonus pseudotsugae* Hopk. (Coleoptera: Scolytidae) III. Flight capacity. 14853
- INSECT DETECTION
- Radar observations of locust swarms. 14836 Changes in haemolymph lipoproteins during locust flight. 14914
- INSECT DISEASES
- Fine structure of some insect viruses. 14860 New methods of introducing visual and auditory cues. (abstract). 14974
- Transmission of some insect viruses with particular reference to ovarian transmission and its importance in the development of epizootics. 14862 INSECT GENETICS
- Fecundity, longevity, and transinfectivity of citrus red mites (*Panonychus citri*) infected with a noninclusion virus. 14883 A comparison of the developmental rates of one- and two-year cycle spruce budworm. 14951
- INSECT HISTOLOGY
- Histology of the reproductive tracts and transmission of sperm in the corn earworm, *Heliothis zea*. 14871
- Some histological aspects of the boll weevil. 14873
- INSECT IDENTIFICATION
- The genus *Laelaspis*, with descriptions of three new species (Acarina: Laelaptidae). 14826

SUBJECT INDEX

INSECT MATING

- A new genus and a new species of Pyraustinae (Lepidoptera: Pyralidae). 14834
- Characters for specific identification of females in the leafhopper genus *Empoasca* (Hemiptera: Cicadellidae). 14838

INSECT MATING

- Resistance to American foul brood in honeybees. i. iii. differential survival of the two kinds of larvae from two-drone matings. 14971

INSECT METABOLISM

- Inhibition of housefly acetylcholinesterase by carbamates. 14891
- Metabolism of malathion in desert locust. i. activation of malathion into an anticholinesterase. 14918

INSECT MIGRATION

- Summer migration of the alfalfa weevil, *Hypera postica* (Coleoptera: Curculionidae). 14819
- Migration of the army cutworm, *Chorizagrotis auxiliaris* (Lepidoptera, Noctuidae). i. evidence for a migration. 14835
- Dispersal and migration of tepa-sterilized Mexican fruit flies. 14842

INSECT MORPHOLOGY

- The distribution, life history, and economic importance of the winter moth, *Operophtera brumata* (L.) (Lepidoptera, Geometridae) in Nova Scotia. 14811
- Correlation of European chafer development with the flowering period of common plants. 14818
- Life-history studies of *Amblyseius limonicus*, with comparative observations on *Amblyseius hibisci* (Acarina: Phytoseiidae). 14832
- Studies on *Odontoloxozus longicornis* (Diptera: Meriidae.) Part I. Life history and descriptions of immature stages. 14839
- The morphology and higher classification of the Coreoidea (Hemiptera-Heteroptera). i-II. 14840
- Studies on the gonads of some immature mosquitoes. 14866
- The rearing of *Phlebotomus* sandflies (Diptera: Psychodidae) II. Development and behavior of Panamanian sandflies in laboratory culture. 14899
- The effects of photoperiod and temperature on the induction of diapause in *Aedes triseriatus* (Say). 14900
- The effects of photoperiod, temperature, and food supply on rate of development and diapause in *Coccinella novemnotata*. 14916
- Energy sources during embryogenesis of the yellow mealworm, *Tenebrio molitor*. 14938
- The effect of circadian rhythms on the development of *Drosophila*. 14941
- A comparison of the developmental rates of one- and two-year cycle spruce budworm. 14951

INSECT MORTALITY

- Preliminary observations on the incidence and biology of a mermithid nematode of *Aedes sollicitans* in Louisiana. (abstract). 14933
- Biologic potential of phytoseiid mites fed on virus-infected citrus red mites. 14950
- The influence of sublethal dosages of insecticides on the basal follicles of *Aedes aegypti* (L.). (abstract). 14986
- Hark beetle mortality in precommercial herbicide thinnings of western hemlock. 15245

INSECT NUTRITION

- Nutritional pest control: The 'self-protection' of foodstuffs against *Tribolium confusum* (Coleoptera: Tenebrionidae) often presumably through nutritional factors. 14824
- Mosquitoes feeding on a frog. 14868

- Larval feeding behavior of the cabbage looper, *Trichoplusia ni*. 14886

- Methods for studying aggregation and feeding behavior of the confused flour beetle, *Tribolium confusum* (Coleoptera: Tenebrionidae). 14910

- Nectar of peach leaf glands as insect food. 14937

- Some problems associated with weighing aphids that have fed after starving, as a method of measuring intake of plant sap. 14943

- Food-plant spectrum and elimination of disease of cinnabar moth larvae, *Hypocrita jacobaeae* (L.) (Lepidoptera: Arctiidae). 15276

INSECT OUTBREAKS

- The biology and ecology of *Dendroctonus valens* Flec., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165

INSECT PESTS

- The distribution, life history, and economic importance of the winter moth, *Operophtera brumata* (L.) (Lepidoptera, Geometridae) in Nova Scotia. 14811
- Longevity of the fire blight organism, *Erwinia amylovora* on pear trees in the greenhouse as demonstrated by infection after sandblast injury. 14901
- La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. SH951.15. 14906
- Preliminary laboratory tests utilizing *Beanveria bassiana* (Halsano) Vuillemin on *Calomycterus setarius* Roelofs. 15234
- Timber pests and diseases. 1st ed. TA422. P5. 15529

INSECT PHYSIOLOGY

- Stimuli provided by courtship of male *Drosophila melanogaster*. 14859
- Relationship of the crop capacity to the depletion of the fat body and egg development in the corn earworm, *Heliothis zea*, and the fall armyworm, *Laphygma frugiperda* (Lepidoptera: Noctuidae). 14869
- The occurrence of acetylcholine in the nervous tissues of American cockroaches. 14874
- Sex pheromones of noctuid moths. VII. Quantitative aspects of the production and release of pheromone by females of *Trichoplusia ni* (Lepidoptera: Noctuidae). 14882
- Sterol storage and reproduction in the house fly. 14922
- The fate of dietary H₃-beta-sitosterol in the adult house fly. 14923
- Lysozyme-like action of enzymes from the cockroach *Periplaneta americana* and from some other sources. 14934
- Quantitative studies on purine excretion in the greater wax moth, *Galleria mellonella*. 14966
- Some observations on the fine structure of the midgut of the mite *Anystis* sp. 14969
- The influence of physical stress on growth and nuclear polyhedrosis of *Trichoplusia ni* (Huebner). 15242

INSECT POPULATIONS

- Seasonal changes in the abundance of certain aphids and their predators in Giza.. 14854
- Relative effectiveness of resistance of field corn to the European corn borer, *Pyrausta nubilalis*, in crop protection and in population control. 15229

INSECT REARING

- The coexistence of insect parasites and hosts in laboratory ecosystems. 14801
- On the ecology of *Anthocoris nemorum* (L.) (Hemiptera: Heteroptera). 14810
- A note on *Hoplitis prodacta* (Cress.) in Wisconsin

SUBJECT INDEX

INSECTICIDE RESIDUES

| | | | |
|---|-------|---|-------|
| (Hymenoptera: Megachilidae). | 14833 | of mosquitoes. | 15424 |
| Plastic pots compared with clay pots for rearing white-fringed beetle larvae. | 14857 | Biology of vector-associated diseases in Vietnam. | 15460 |
| Rearing and biology of Wohlfahrtia vigil (Diptera: Sarcophagidae). | 14875 | INSECTICIDAL AEROSOLS | |
| An evaluation of the rate of reproduction of the two-spotted spider mite reared on gibberellin-treated bean plants. | 14876 | The influence of spray programs on the fauna of apple orchards in Nova Scotia. XII. Second supplement to VII. Effects on beneficial arthropods. | 14912 |
| Rearing of three spotted alfalfa aphid Hymenopterans parasites for mass release. | 14878 | Studies on fine-particle, coarse-particle, and concentrated aerosols. | 14948 |
| The rearing of Phlebotomus sandflies (Diptera: Psychodidae) II. Development and behavior of Panamanian sandflies in laboratory culture. | 14899 | INSECTICIDE APPLICATION | |
| Photoperiod effects in Pieris rapae. | 14913 | Soil treatments with broadcast or band applications of organophosphorous or carbamate insecticides for prevention of wireworm damage to potatoes. | 15227 |
| Nematode parasites and associates of the smaller European elm bark beetle, Scolytus multistriatus (Marsden). | 14947 | Comparative efficiency of coumaphos applications on various body areas by brush-on or pour-on for the control of cattle grubs. | 15505 |
| The influence of sublethal dosages of insecticides on the basal follicles of Aedes aegypti (L.). (abstract). | 14986 | INSECTICIDE RESIDUES | |
| The biology and ecology of Dendroctonus valens Flec., and the biology, ecology, and control of Dendroctonus frontalis (Mexican) Zimmerman in central Mexico (Coleoptera: Scolytidae). | 15165 | The behavior of insecticides in forest soils. | 15539 |
| Overwintering in Pemphigus hirsarius (L.). | 15243 | Persistence of two systemic carbamate insecticides in three types of soils. | 15541 |
| DDT and related compounds in dog food and CSMA media used in insect rearing. | 15611 | The behavior of DDT and Zectran on a forest soil. | 15544 |
| INSECT REPELLENTS | | Methods for extracting insecticides from soil. | 15545 |
| Laboratory tests with sixty-five compounds as repellents against houseflies. | 14847 | Insecticide analysis procedures used by the Klamath Basin study. (Paper presented at Pacific North West Pollution Control Association, Vancouver, B.C.). | 15547 |
| La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. SB951.15. | 14906 | Extraction of chlorinated pesticide residues from nonfatty samples of low moisture content. | 15550 |
| Chemicals tested as space repellents for yellow-fever mosquitoes. II. carbamates, benzamides, aliphatic amides, and imides. | 14915 | Determination of Niagara NIA-10242 and its phenol degradation product in corn silage and milk and determination of other carbamates by GLC of their thiophosphoryl derivatives. | 15552 |
| Mosquito control activities of the U.S. Armed Forces in the Republic of Vietnam. | 14975 | Infrared identification of chlorinated insecticides in the tissues of poisoned fish. | 15553 |
| Repellency of reflective aluminum to transient aphid viral vectors. | 15189 | DDT in humans and animals; determination of DDA in urine using an ion exchange resin. | 15555 |
| INSECT TAXONOMY | | The determination of chlorinated insecticides in human blood. | 15556 |
| Studies of the Gyponidae: a new genus- Chloronana (Homoptera: Cicadellidae). | 14812 | A sensitive procedure for urinary p-nitrophenol determination as a measure of exposure to parathion. | 15559 |
| A clarification of certain structures in the thoracic region of Oxyrhabdus (Homoptera: Membracidae). | 14821 | Study of modifications of the Mills procedure for chlorinated pesticides in dairy products. | 15562 |
| New technique for preparation and study of moth flies. | 14908 | Rapid cleanup of dairy products for analysis of chlorinated insecticide residue by electron capture gas chromatography. | 15568 |
| INSECT TEMPERATURE | | Determination of DDT and related substances in human fat. | 15569 |
| A comparison of the developmental rates of one- and two-year cycle spruce budworm. | 14951 | Metabolism of DDT and some other chlorinated organic compounds by Aerobacter aerogenes. | 15571 |
| INSECT TRAPS | | Screening method for the detection of chlorinated hydrocarbon pesticide residues in the fat of milk, cheese, and butter. | 15572 |
| Dispersal and migration of tepa-sterilized Mexican fruit flies. | 14842 | Loss of chlorinated hydrocarbon insecticides from soil surface in the field. | 15573 |
| Attraction of melon flies to lures on foliage or cane fibers at various heights. | 14890 | Determination of Zectran residues in aerial forest spraying. | 15576 |
| INSECT VECTORS | | Acetonitrile dilution: a possible source of error in the rapid method for chlorinated pesticide residues in nonfatty foods. | 15577 |
| Mosquito control activities of the U.S. Armed Forces in the Republic of Vietnam. | 14975 | Rapid screening method for DDT in milk with gas chromatography. | 15580 |
| Pear decline virus transmission by pear Psylla. | 15089 | Simultaneous electron capture - microcoulometric detection for qualitative and quantitative pesticide analysis. (in: Gulf Coast Shellfish Sanitation Research Center. technical Memorandum (GCSSRC FY) 66 -2.). | 15583 |
| Distribution of wound-tumor virus antigens in internal organs of an insect vector. | 15182 | | |
| Repellency of reflective aluminum to transient aphid viral vectors. | 15189 | | |
| Scolytid vectors of the Dutch elm disease in Ontario. | 15214 | | |
| Leukosis - Transmission by beetles. | 15311 | | |
| Experimental transmission of African horse-sickness by means | | | |

SUBJECT INDEX

INSECTICIDE RESISTANT INSECTS

DDT, proposed establishment of pesticide and food additive tolerances. 15592

Food additives permitted in food for human consumption. 1,1-Bis (p-chlorophenyl)-2,2,2-trichloroethanol. 15594

Food additives permitted in food for human consumption. Ethion. 15595

Notice of filing of petition regarding pesticides. 15599

Sweep co-Distillation cleanup of milk for determination of organophosphate and chlorinated hydrocarbon pesticides. 15601

Lethal endrin concentration in the blood of gizzard shad. 15603

Thin layer chromatography of some carbamate and phenylurea pesticides. 15661

Semi-automatic extraction of organic materials from water. public Health Service Water Pollution Surveillance System Applications and Development Report 16. 15665

INSECTICIDE RESISTANT INSECTS

A photoperiodic effect on the daily susceptibility of the house fly to trichlorfon. 14877

Susceptibility of mosquitoes to silica gel insecticides. 14920

Relative susceptibility of salt-marsh mosquitoes from Georgia and Florida to insecticides. 14967

Development of DDT resistance in certain mayflies in New Brunswick. 14970

Cross-tolerance of California *Aedes nigromaculis* (Ludlow) larvae to EPN, Abate, and Dursban. (abstract). 14973

Biological activity of surfactants and some chemical intermediates against pre-imaginal mosquitoes. 14979

Acaricida tests on the biarra strain of organophosphorus resistant cattle tick *Boophilus microplus* from southern Queensland. 15506

INSECTICIDES

Inhibition of housefly acetylcholinesterase by carbamates. 14891

La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. SB951.15. 14906

Insecticidal and naturalistic control of chironomid larvae in Lake Balwigk, Vallejo, California. 14919

Simple screening test for systemic aphicides. 14921

Soil treatments with insecticides for control of the eye gnats *Hippelates collusor* and *H. hermsi*. 14977

A preliminary report on a potential new mosquito control weapon. 14982

1967 insecticide recommendations; peach insect control (commercial). 15225

Soil treatments with broadcast or band applications of organophosphorous or carbamate insecticides for prevention of wireworm damage to potatoes. 15227

Investigations on Dursban insecticide. metabolism of O,O-diethyl D-3,5,6-trichloro-2-pyridyl phosphorothioate and 3,5,6-trichloro-2-pyridinol in plants. 15582

Toxicologic effects of a phosphorothioic acid insecticide in sheep. 15609

Toxicologic effects of a phosphorothioic acid insecticide in cattle. 15610

Analysis of Dursban in livestock dips and sprays. 1565B

Pesticides' unsung assistants. 15663

INSECTS

Critical application of logistic principle on the laboratory population of *Anthrenus flavipes* Lec. 14856

Exposure of house flies and oriental rat fleas on a high-altitude balloon flight. 14962

INTEGRATED CONTROL (INSECTS)

La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. SB951.15. 14906

INTERFERON

Effect of interferon on early enzyme and viral DNA synthesis in vaccinia virus infection. 15401

INTRAMUSCULAR VACCINATION

Revaccination of chickens against Newcastle disease by vent, wing-web, and intramuscular routes. 15495

ION EXCHANGE RESINS

Stimulation of hatching of the potato-root eelworm *Heterodera rostochiensis* by ion exchange resins. 15254

DDT in humans and animals; determination of DDA in urine using an ion exchange resin. 15555

IONIZATION CHAMBERS

Gas chromatographic determination of residues of organophosphorus pesticides with a modified flame ionization detector. 15561

IPS

Observations on the effect of nematodes on *Ips confusus* (LeConte) and other bark beetles. 14928

IPS BONANSEAI

The biology and ecology of *Dendroctonus valens* Flec., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165

IPS CRIBRICOLLIS

The biology and ecology of *Dendroctonus valens* Flec., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165

IRRIGATION

Effect of irrigation method and frequency on development of *Phytophthora infestans* on potatoes under arid conditions. 15166

Soil fumigation by injection and irrigation for the control of nematodes on hops. 15261

Effect of incorporation and method of irrigation on preemergence herbicide. 15279

ISOMERISM

Effects of isomers of DDD on thyroid and adrenal function in rats. 15607

ISOPROPYL-3-METBYLPYRAZOL-5-YL DINETBYLCARBAMATE, 1-

Persistence of two systemic carbamate insecticides in three types of soils. 15541

ISRAEL

Occurrence of two bacterial diseases on new hosts in Israel. 15209

Bacterial spot disease of tomatoes and peppers in Israel. 15210

IXODIDAE

The ixodid ticks of Tanzania. a study of the zoogeography of the Ixodidae of an east African country. GL458.a2Y2. 1484B

IXODIDES

Acaricida tests on the biarra strain of organophosphorus resistant cattle tick *Boophilus microplus* from southern Queensland. 15506

KADANG-KADANG (COCONUTS)

Intracellular inclusions observed in epidermal strips from foliage of kadang-kadang infected coconut trees in the Philippines. 15156

SUBJECT INDEX

LEPTOSPIRIBOSIS

- KALE**
Acetonitrile dilution: a possible source of error in the "rapid" method for chlorinated pesticide residues in nonfatty foods". 15577
- KING PENGUINS**
Isolation of an anaerobic vibrio from a king penguin (*Ap-tenodytes longirostris*). 15368
- LABELING**
Intracellular labeling of TMV antigen with ferritin-antibody conjugate. 15177
WACA discussions cover 'silent spring'. 15570
- LABORATORIES**
Critical application of logistic principle on the laboratory population of *Anthrenus flavipes* Lec. 14856
- LABORATORY ANIMALS**
Effect of naturally occurring highly mineralized water on the growth of laboratory animals. 15305
Oxyuriasis in laboratory mouse colonies. 15386
Toxicologic effects of a phosphorothioic acid insecticide in sheep. 15609
- LAELAPTIDAE**
The genus *Laelaspis*, with descriptions of three new species (Acarina: Laelaptidae). 14826
- LAELASPIS**
The genus *Laelaspis*, with descriptions of three new species (Acarina: Laelaptidae). 14826
- LAMBS**
Enterotoxemia of sheep. II. distribution of I131 radioiodinated serum albumin in brains of *Clostridium perfringens* type D intoxicated lambs. 15376
Enterotoxemia of sheep. III. *Clostridium perfringens* type D antitoxin titers of normal, nonvaccinated lambs. 15378
- LAMPYRIDAE**
Induction of scintillation in the firefly. 14870
- LAPHYGMA**
Relationship of the crop capacity to the depletion of the fat body and egg development in the corn earworm, *Heliothis zea*, and the fall armyworm, *Laphygma frugiperda* (Lepidoptera: Noctuidae). 14869
- LABVAE**
Effect of temperature, aeration, pH, and the presence of soil on the toxicity of various insecticides to mosquito larvae. 14817
Plastic pots compared with clay pots for rearing white-fringed beetle larvae. 14857
Effects of hormones and injury on RNA synthesis in saturniid moths. 14861
Larval descriptions of two species of *Panorpa* (Mecoptera: Panorpidae), with notes on their biology. 14927
The effect of circadian rhythm on the development of *Drosophila*. 14941
Notes: Effect of certain carcinogenic 2-fluorenamine derivatives on larvae of the house fly, *Musca domestica* Linnaeus. 14952
Fungi associated with larvae of *Sitona* spp. 15097
Preliminary study on some of the factors affecting control of western corn rootworm larvae with soil insecticides. 15246
Effect of fungicides on the larval emergence of the tobacco cyst nematode. 15264
Food-plant spectrum and elimination of disease of cinnabar moth larvae, *Bythocrita jacobaeae* (L.) (Lepidoptera: Arctiidae). 15276
Experimental visceral larva migrans in the pig. 15355
Survival of infective larvae of the cattle nematodes, *Cooperia punctata*, *Trichostrongylus axei*, and *Oesophagostomum radiatum*. 15519
- LAVICIDES**
Biological activity of surfactants and some chemical intermediates against pre-imaginal mosquitoes. 14979
Panel: opposing philosophies in mosquito control technology: emphasis on control of adult mosquitoes in Florida. 14980
- LASEES**
Candling and sighting techniques used in laser investigations of the European pine sawfly, *Neodiprion sertifer* (Hymenoptera: Diprionidae). 14902
- LASIOPERMA**
Fumigant toxicity of 1,2,3-tribromopropene, ethyleneimine, crotyl bromide and carbon tetrachloride to stored-product insects. 14888
- LATE BLIGHT (POTATOES)**
Base composition of soluble ribonucleic acid from *Phytophthora infestans*. 15149
- LEAD**
Acute lead poisoning in swine. 15604
- LEAF ROLL (POTATOES)**
The diphenylamine reaction and transmission experiments with phenol extracts of plants infected with potato leaf roll virus. 15101
Leafroll of tomato caused by a strain of potato leafroll virus. 15143
- LEAF SCORCH (STRAWBERRIES)**
Studies on the isolation of the strawberry leaf scorch pathogen *Diplocarpon earliana*. 15173
- LEAF SPOT (ALFALFA)**
Association of polygalacturonate trans-eliminase with southern anthracnose but not with spring black stem or *Steophylium* leaf spot of alfalfa. 15624
- LEAF SPOT (GUAB)**
Leaf spot of guar caused by *Pseudomonas syringae* in the United States. 15148
- LEAVES**
Some environmental factors influencing penetration from appressoria of *Puccinia graminis* f. sp. *tritici* on seedling wheat leaves. 15020
Bean yellow mosaic virus in detached leaves of red clover plants. 15038
Residue studies of tomato foliage and fruits from plants receiving PIBC- "14 pre-or post-emergence. 15560
Properties of purified acid phosphatases from healthy and rust-infected bean leaves. 15652
Respiration, photosynthesis, and dark fixation of C1402 by healthy and rusted bean leaves. 15653
- LEGISLATION**
WACA discussions cover 'silent spring'. 15570
- LEGUMES**
The etiology of legume bloat-nonvolatile acids. 15457
- LEPIDOPTERA**
Interesting captures from the Toudon region (A-M). 14802
Esterases of crystalliferous bacteria pathogenic for insects: epizootiological applications. 14929
- LEPTOSPHERULINA**
Species of *Leptosphaerulina* on forage plants. 15063
- LEPTOSPIRIBOSIS**
Detection of leptospires in naturally infected dogs, using fluorescein-labeled antibodies. 15309
Observations on the colonial morphology of leptospires. 15317
Natural occurrence of leptospirosis in the meadow vole, *Microtus pennsylvanicus*. 15343

SUBJECT INDEX

- LEPTOTYPHLUS DUJARDINI
Soil fauna research in the forest of Maures (Var). the
dale of Pournel (Coleoptera). 14822 15568
- LETTUCE
Effects of big vein on the irrigated head lettuce crop. 15122
Notice of filing of petition regarding pesticides. 15589
- LEUCOPHAEA
The importance of locomotor activity in circadian systems. 14909
- LEUKOCYTES
Variations in uterine response to experimental infection due
to the hormonal state of the ovaries. II. The mobilization
of leukocytes and their importance in uterine bactericidal
activity. 15288
Variation in the inflammatory response and bactericidal act-
ivity of the sheep uterus during the estrous cycle. 15296
- LEUKOSIS
Leukosis - Transmission by beetles. 15311
- LIGHT
Sex pheromones of noctuid moths. VIII. Orientation to
light by pheromone-stimulated males of Trichoplusia ni
(Lepidoptera: Noctuidae). 14881
Effect of light on the rate of decay of three wood
destrcyng fungi. 15044
Effects of light, temperature, and fertilizer on infection
of wheat leaves by Septoria tritici. 15047
Inoculation of etiolated but light-treated leaves of grape
with fanleaf virus. 15079
- LIGHT TRAPS
Mating frequency of female pink bollworms collected from
light traps. 14884
- LIGNIN
Color formation on phenol-containing media as related to
lignin breakdown by wood-rotting basidiomycetes. 15630
- LIIMA BEANS
Sporulation of Phytophthora phaseoli. 15086
Evidence for a chemical basis of resistance of lima bean
plants to downy mildew. 15206
The occurrence and decline of downy mildew on lima beans in
the Middle Atlantic States. 15215
Transmission of downy mildew of lima beans by slugs. 15218
Factors in lima bean and hemp seed required for oospore
formation by species of Phytophthora. 15615
- LIME
Sweetpotato soil, rot development in Olivier silt loam soil
as affected by annual applications of lime or sulfur over a
seven-year period. 15123
- LINDANE
The biology and ecology of Dendroctonus valens Flec., and
the biology, ecology, and control of Dendroctonus frontalis
(Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165
Control of the pickleworm on cucurbits. 15228
Effectiveness of various formulations of five insecticides
on insects infesting douglas-fir logs. 15250
Lindane in diesel oil prevents western pine beetle attacks
for at least one year. 15251
Field tests with insecticides for control of lone star ticks
on cattle. 15502
Study of modifications of the Mills procedure for
chlorinated pesticides in dairy products. 15562
Rapid cleanup of dairy products for analysis of chlorinated
insecticide residue by electron capture gas chromatography.
- LINEURON
Determination of lineuron and its known and/or suspected
metabolites in crop materials. 15566
- LIPEURUS CAPONIS
Dust containing Bacillus thuringiensis for control of
chicken body, shaft, and wing lice. 15504
- LIPIDS
Changes in haemolymph lipoproteins during locust
flight. 14914
- LISTERIOSIS
Contribution to the study of ovine listeriosis and
immunoprophylaxis against the disease in France. 15414
Isolation of Listeria monocytogenes from brains of rabies-
negative animals. 15438
- LITTLE LEAF (PINUS)
A pine disease in New Zealand resembling littleleaf. 15078
Plant-parasitic nematodes associated with shortleaf pine
showing symptoms of littleleaf. 15269
- LIVER DISEASES
Toxicara lesions stimulate those of Ascaris suum. 15456
- LIVESTOCK
La lutte chimique contre les insectes nuisibles. (chemical
control of insect pests). ed. 3. s8951.15. 14906
Studies on the erythrocyte sedimentation rate in domestic
animals. VII. Bone marrow formation. 15303
Feed additives for control of house fly larvae in livestock
feces. 15503
Method for treating animals infested with pests of the
phylum arthropoda. patent 3,367,831. 15508
A survey to determine the salmonella contamination rate in
livestock and poultry feeds. 15535
The toxicity of aminotriazole to domestic animals. 15608
Analysis of Dursban in livestock dips and sprays. 15658
- LIVESTOCK DISEASES
The isolation of infectious bovine rhinotracheitis virus from
cattle affected with conjunctivitis-observations on the ex-
perimental infection. 15313
Report of the Committee on Nomenclature and Reporting of
Disease, Northeastern Conference on Avian Disease,
June, 1962. 15340
Newcastle disease immunity in broilers and caponettes vac-
cinated with killed-virus and live-virus vaccines. 15349
Enzootic nasal adenocarcinoma in sheep. 15357
Epizootic hemorrhagic disease in white-tailed deer- charac-
teristic of the South Dakota strain of virus. 15436
- LIZARDS
Control of the snake mite (Ophionyssus natricis), other
mites, and certain insects with the sorptive dust, SG 67. 15507
- LOAM
Sweetpotato soil, rot development in Olivier silt loam soil
as affected by annual applications of lime or sulfur over a
seven-year period. 15123
- LOCOMOTION
The importance of locomotor activity in circadian systems. 14909
- LOCUSTA MIGRATORIA
Reaction thresholds and specificity of an odor receptor on
the antenna of Locusta. 14863

SUBJECT INDEX

METAMORPHOSIS

- LCGS**
Effectiveness of various formulations of five insecticides on insects infesting douglas-fir logs. 15250
- LOOSE SMUT (OATS)**
Oat smut races of the South Atlantic States. 15115
- LOUISIANA**
Effect of sugarcane borer infestation on the yield and grade of corn. 15233
- LUMBER PRESERVATION**
Timber pests and diseases. 1st ed. TA422. P5. 15529
- LUMBER PRESERVATIVES**
Notice of withdrawal of petition for food additives. 15590
- LYMPHOSARCOMA**
Clinical and hematologic studies of lymphosarcoma in a herd of cattle. 15477
Lymphosarcoma in the rabbit. a case report and general review. 15487
- MACROSTELIS**
Reduction of aster yellows. 15053
- MAGNESIUM**
Effects of fluoride on magnesium deficiency in the guinea pig. 15446
- MAGNESIUM SILICATE**
In vitro increase in virus infectivity. II. 15221
- MALACOSOMA AMERICANUM**
Control of the eastern tent caterpillar, *Malacosoma americanum* (Fabricius), by distribution of spores of two species of *Clostridium*. 15226
- MALARIA**
Mosquito control activities of the U.S. Armed Forces in the Republic of Vietnam. 14975
- MALATHION**
Effect of temperature, aeration, pH, and the presence of soil on the toxicity of various insecticides to mosquito larvae. 14817
Metabolism of malathion in desert locust. I. activation of malathion into an anticholinesterase. 14918
Insecticidal and naturalistic control of chironomid larvae in Lake Dalwigk, Vallejo, California. 14919
The influence of sublethal dosages of insecticides on the basal follicles of *Aedes aegypti* (L.). (abstract). 14986
Evaluation of thermal and nonthermal fogs against four species of mosquitoes. (abstract). 14987
The biology and ecology of *Dendroctonus valens* Flec., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zimmerman in central Mexico (Coleoptera: Scolytidae). 15165
Interference with the biological control of cottony-cushion scale by insecticides and attempts to re-establish a favorable natural balance. 15224
Field tests with insecticides for control of lone star ticks on cattle. 15502
Fish, wildlife unaffected by boll weevil program. 15557
Pesticides' nursing assistants. 15663
- MALEIC HYDRAZIDE**
The effect of growth substances on *Verticillium* wilt of. 15181
- MALVA**
Record of two *Longidorus* species from Sudan. 15274
- MANEB**
Control of cucumber scab due to *Cladosporium cucumerinum*. 15092
Control of asparagus rust with a mixture of maneb and nickel sulfate. 15109
- MANTISPIDAE**
Some notes on the life history of *Plega banksi* (Neuroptera: Mantispidae). 14845
- MANUALS**
PPC (Plant Pest Control) Manual. 15584
- MARINE BOREERS**
Estimation of marine-borer attack on wooden surfaces. 15252
- MARKETING**
Opportunities and challenges are ahead for fertilizer industry. 15694
- MASTITIS**
Food additives permitted in the feed and drinking water of animals of for the treatment of food-producing animals. food additives permitted in food for human consumption. erythromycin. 15484
- MAYETIOLA**
Insecticidal control of paedogenetic cecid larvae in mushroom beds. I. incorporation of insecticides into compost. II. incorporation of insecticides in the casing layer. 15241
- MEDICAL ENTOMOLOGY**
La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. SR951.15. 14906
- MELANOPHUS**
Grasshopper damage on short-grass rangeland of the San Carlos Apache Indian Reservation, Arizona. 15247
- MELOIDOGYNE**
The occurrence of a Phytophthora root and leaf disease of black pepper in Jamaica. 15106
Chemotherapeutic control of a root-knot nematode. 15258
Soil fumigation by injection and irrigation for the control of nematodes on hops. 15261
- MEMORY**
Time memory of bees under the influence of narcosis and of social pacemaking signals (Zeitgeber). 14917
- MEMOPON GALLINAE**
Dust containing *Bacillus thuringiensis* for control of chicken body, shaft, and wing lice. 15504
- MENTHA SPICATA**
Record of two *Longidorus* species from Sudan. 15274
- METABOLISM**
Respiratory changes during development of rust diseases. 15034
Experimental water intoxication in calves. 15396
Metabolism of TOK herbicide in dairy cow. 15564
Determination of linuron and its known and/or suspected metabolites in crop materials. 15566
Metabolism of DDT and some other chlorinated organic compounds by *Aerobacter aerogenes*. 15571
- METABOLITES**
Distribution of bidrin in the foliage of treated trees. 15230
Dicamba and its metabolite. notice of establishment of temporary tolerance. 15591
Metabolism of 2-chloro-4,5-dimethylphenyl N-methylcarbamate in bean plants. 15619
Infrared absorption spectra and polymeric structures of three s-Triazine herbicides and their metabolites. 15657
- METAMORPHOSIS**
The submaginal cuticle of the mayfly *Callibaetis* sp. (Ephemeroptera). 14942
Inhibition of metamorphosis and of ecdysis in mosquitoes. 14959

SUBJECT INDEX

- METHANOL**
- METHANOL**
Influence of pre-storage treatments on the mortality of the San Jose scale (Homoptera: Diaspididae) on apples held in storage. 15532
- METHIONINE**
Systemic and fungicidal activity of D-, L-, and DL-methionine, S-alkyl-DL-HOMOCYSTEINE derivatives, and methionine antagonists. 15138
- METHOXYCHLOR**
Extraction of chlorinated pesticide residues from nonfatty samples of low moisture content. 15550
Metabolism of DDT and some other chlorinated organic compounds by *Aerobacter aerogenes*. 15571
- METHYL BROMIDE**
Escape of methyl bromide through wallboards. 15581
- METHYL-4-CHLOROPHENOXY) BDTYBIC ACID, 4-(2-**
Action and effectiveness of certain classes of herbicides. 15667
- MICE**
Mammalian detoxification of insecticides. 14989
Exterotoxemia of sheep. I. Effects of *Clostridium perfringens* type D toxin on the brains of sheep and mice. 15377
Oxyuriasis in laboratory mouse colonies. 15386
Mammalian detoxification of insecticides. 15602
- MICROORGANISMS**
The pathogenicity for honey-bee larvae of microorganisms associated with European foulbrood. 14855
Transmission of bacterial pathogens by the ovipositor of a hymenopterous parasite. 14867
Sensitivity spectrum of *Bacillus thuringiensis* var. *thuringiensis* Berliner to antibiotics, sulfonamides, and other substances. 14895
Index to genera of pathogens listed in the "Index of Plant Diseases in the United States. 1. 15073
Cankers of ornamental crabapples associated with *Physalospora obtusa* and other microorganisms. 15105
Microorganisms on cucumber seedlings. 15107
Inoculation of microbes into the intestinal tracts of small animals. 15298
Nocardia asteroides as a mammary pathogen of cattle. II. the sources of nocardial infection and experimental reproduction of the disease. 15432
Degradation of carbamate herbicides in soil. 15567
- MILDEW (BARLEY)**
Nucleotide composition of RNA in healthy and mildew-infected leaves of barley. 15120
- MILK**
Note on extraction of a polar insecticide (Imidan) from milk. 15551
Determination of Niagara NIA-10242 and its phenol degradation product in corn silage and milk and determination of other carbamates by GLC of their thiophosphoryl derivatives. 15552
Simple ultrasensitive test for detecting penicillin in milk. 15575
Rapid screening method for DDT in milk with gas chromatography. 15580
Sweep co-Distillation cleanup of milk for determination of organophosphate and chlorinated hydrocarbon pesticides. 15601
- MILK ANALYSIS**
The detection of antibody against *Leptospira pomona* in composite herd milk samples. 15337
- MILK FAT**
Study of modifications of the Mills procedure for chlorinated pesticides in dairy products. 15562
Screening method for the detection of chlorinated hydrocarbon pesticide residues in the fat of milk, cheese, and butter. 15572
- MILKERS' NODULES**
Bovine papular stomatitis, pseudo-cow-pox and milker's nodules. 15489
- MINERAL OIL**
Effect of growth-regulating and other compounds on bacterial spot of pepper. 15219
Pesticides' unsung assistants. 15663
- MISSISSIPPI**
A report of the occurrence of Camellia flower blight in Mississippi. 15027
- MITES**
The susceptibility of honey bees of different ages to infestation by *Acarapis woodi* (Bennie). 14905
Several insects cause concern. 14991
Three plans for using acaricides to control mites on apple. 15223
Variety of soybean insects are active in several states. 15232
The control of poultry lice and mites with several organic insecticides. 15240
Experimentally induced bovine psoroptic acariasis in a rabbit. 15407
- MITOSIS**
Nuclear condition and division in vegetative hyphae of *Rhizoctonia solani*. 15644
- MOLDS**
Virus-like particles of a fraction of a statolon, a mould product. 15617
- MOLTING (INSECTS)**
Inhibition of metamorphosis and of ecdysis in mosquitoes. 14959
- MONILIASIS**
Albicans infection in chickens. I. Effect of vitamin A nutritional factors influencing experimental *Candida* deficiency. 15393
Effects of vitamin-A deficiency and high-level chlortetracycline on experimental candidiasis of turkeys. 15479
- MONTEREY-PINE NEEDLE MINER**
Life history of the Monterey pine needle miner, *Argyresthia pilatella* (Lepidoptera: Yponomeutidae). 14898
- MONURON**
Action and effectiveness of certain classes of herbicides. 15667
- MORTALITY**
Determination of nematode mortality. 15255
The development of a chicken embryo lethal strain of avian encephalomyelitis virus. 15413
Influence of pre-storage treatments on the mortality of the San Jose scale (Homoptera: Diaspididae) on apples held in storage. 15532
Mortality of the San Jose scale (Homoptera: Diaspididae) on stored apples of different varieties and harvest dates. 15533
- MOSAIC (ALFALFA)**
Alfalfa mosaic virus transmitted through alfalfa seed. 15055
- MOSAIC (APPLES)**
Transmission of apple mosaic and stem-pitting viruses through root grafts. 15126

SUBJECT INDEX

MYCOLOGY

- MOSAIC (BEANS)**
Seed transmission of bean mosaic viruses. 15130
The role of seed transmission in the epidemiology of bean mosaics in central Washington. 15163
A difference in the translocability of two viruses in bean plants. 15170
- MOSAIC (BROADBEANS)**
An outbreak of broadbean diseases in Iran. 15091
- MOSAIC (CUCUMBERS)**
Effects of temperature and light on plant susceptibility to cucumber mosaic virus by aphid transmission. 15194
Metabolite changes induced by cucumber mosaic virus in resistant and susceptible strains of cowpea. 15217
Effect of chloramphenicol on the concentrations of free amino acids and amides in healthy and cucumber mosaic virus (CMV-Y) infected plants. 15655
- MOSAIC (RADISHES)**
Transmission of radish mosaic virus. 15024
Radish mosaic viruses. 15084
- MOSAIC (SUGAR BEETS)**
Inclusion bodies associated with sugar beet mosaic. 15056
In vitro increase in virus infectivity. II. 15221
- MOSAIC (SUGARCANE)**
A new strain of sugarcane mosaic virus. 14994
Mosaic susceptibility of sugarcane seedlings as determined by mechanical inoculation and natural infection. 15036
- MOSAIC (TOBACCO)**
Accumulation of fluorescent compounds in tobacco associated with tobacco mosaic virus hypersensitivity. 15072
Intracellular labeling of TMV antigen with ferritin-antibody conjugate. 15177
Oridine-H3 incorporation in tobacco infected by tobacco mosaic virus. 15190
Transmission of tobacco mosaic virus in tomato seed. 15198
Failure to confirm the synthesis of TMV in a cellfree system. 15208
- MOSAIC (WATERMELONS)**
Studies on the host range of watermelon mosaic virus in Hawaii. 15200
- MOTHS**
The distribution, life history, and economic importance of the winter moth, *Operophtera brumata* (L.) (Lepidoptera, Geometridae) in Nova Scotia. 14811
Effects of hormones and injury on RNA synthesis in saturniid moths. 14861
Food-plant spectrum and elimination of disease of cinnabar moth larvae, *Byopocrita jacobaeae* (L.) (Lepidoptera: Arctiidae). 15276
- MOTTLE (COWPEAS)**
Purification, serology, and properties of a new cowpea virus. 15103
- MUCK SOILS**
Control of Verticillium wilt of peppermint by soil fumigation in muck soil. 15065
Persistence of two systemic carbamate insecticides in three types of soils. 15541
- MULCHING**
Effects of mulching and nitrogen on corn borer susceptibility in corn. 15248
- MULES**
Shift to chemical weed control hastens change from mules to tractors. 15278
- MORAMIDASE**
Lysozyme-like action of enzymes from the cockroach *Periplaneta americana* and from some other sources. 14934
- MUSA PARADISICA**
Observations on *Odioporus longicollis* (Coleoptera, Curculionidae) in Kathmandu Valley and its suburbs. 14955
- MUSCA**
Variety of soybean insects are active in several states. 15232
- MUSCA DOMESTICA**
Laboratory tests with sixty-five compounds as repellents against houseflies. 14847
The effectiveness of commercial formulations of *Bacillus thuringiensis* Berliner on house-fly larvae. 14864
A photoperiodic effect on the daily susceptibility of the house fly to trichlorfon. 14877
Gametogenesis in the house fly, *Musca domestica*. 14879
Inhibition of housefly acetylcholinesterase by carbamates. 14891
An investigation of the housefly heartbeat through transection experiments. 14893
Sterol storage and reproduction in the house fly. 14922
The fate of dietary H3-beta-sitosterol in the adult house fly. 14923
Effect on adult emergence of whole and partial X-irradiation of pupae of the housefly, *Musca domestica* Linn. 14926
The effect of apholate and thiotepe on nucleic acid synthesis and nucleotide ratios in housefly eggs. 14930
Studies on fine-particle, coarse-particle, and concentrated aerosols. 14948
Notes: Effect of certain carcinogenic 2-fluorenamine derivatives on larvae of the house fly, *Musca domestica* Linnaeus. 14952
A bioassay technique for determining the insecticidal activity of preparations containing *Bacillus thuringiensis* Berliner. 14960
Exposure of house flies and oriental rat fleas on a high-altitude balloon flight. 14962
The effectiveness of lignified-gas-propelled concentrated allethrin aerosols and air-atomized dibrom aerosols against normal and resistant house flies. 14984
Feed additives for control of house fly larvae in livestock feces. 15503
- MOSBROOMS**
Insecticidal control of paedogenetic cecid larvae in mushroom beds. I. incorporation of insecticides into compost. II. incorporation of insecticides in the casing layer. 15241
- MUTATION**
Antibiotic resistance and mutation rates of mycoplasma. 15353
- MUTATIONS**
Induced polygenic mutations in hexaploid wheats. 15621
- MYCOLOGY**
The occurrence and decline of downy mildew on lima beans in the Middle Atlantic states. 15215
Mechanisms of variations in *Verticillium albo-atrum*. 15618
Prevention of photodynamic killing of fungal cells by carotenoids. 15620
Pectin trans-eliminase and polygalacturonase production by *Rhizoctonia solani* and other fungi. 15645
Formation of the basidial stage of some isolates of *Rhizoctonia*. 15648

SUBJECT INDEX

MYCOPLASMA GALLISEPTICUM

MYCOPLASMA GALLISEPTICUM

The effect of the use of antibacterial drugs, particularly as food additives, on the emergence of drug-resistant strains of bacteria in animals. 15467

MYCOPLASMA MYCOIDES

The glycerolipids of *Mycoplasma mycoides*. 15439

MYCOPLASMOSIS

Cultivation of *Mycoplasma* of avian origin. 15314

Coexistence of infectious bronchitis and infectious laryngotracheitis. 15451

MYCOERBRIZA

A nematode (*Meloidodera* sp) on Douglas-fir mycorrhizae. 15275

MYIASIS

Bearing and biology of *Wohlfahrtia vigil* (Diptera: Sarcophagidae). 14875

MYRMECIA GULOSA

Constituents of Dntour's gland in *Myrmecia gulosa*. 14872

MYRMELEONTIDAE

Danish *Myrmeleontidae* and their distribution. 14841

MYXOVIRUSES

Isolation of an unidentified myxovirus from chickens with a respiratory disease. 15320

MYZUS

Transmission of virus Y by instars of *Myzus persicae* (Homoptera: Aphidae). 14949

NA O-PHENYLPHENATE

Polyethylene liners and fungicides for peaches and nectarines. 15526

NABAM

Action of soil fungicides. IV. changes in the spectrum of soil fungi. V. sensitivity of soil organisms in vitro. 15041

Wilt disease of golf greens and its control with nabam. 15116

NALED

The effectiveness of liquefied-gas-propelled concentrated allethrin aerosols and air-atomized dibrom aerosols against normal and resistant house flies. 14984

NARCOSIS

Time memory of bees under the influence of narcosis and of social pacemaking signals (Zeitgeber). 14917

NATURAL CONTROL (INSECTS)

Insecticidal and naturalistic control chironomid larvae in Lake Dalwigk, Vallejo, California. 14919

A comparison of the developmental rates of one- and two-year cycle spruce budworm. 14951

NA2,4,5-TRICHLOROPRENOXIDE

Control of diseases of shallots. 15521

NECTAR

Nectar of peach leaf glands as insect food. 14937

NECTARINES

Polyethylene liners and fungicides for peaches and nectarines. 15526

NEMATOCIDES

Field trials of new nematocides in 1960 for controlling root-knot nematodes. 15256

A method for assaying nematocidal activity of experimental chemicals. 15260

New nematocides. 15268

NEMATODES

Observations on the effect of nematodes on *Ips confusus* (LeConte) and other bark beetles. 14928

Preliminary observations on the incidence and biology of a nematode of *Aedes sollicitans* in Louisiana. (abstract). 14933

Nematode parasites and associates of the smaller European elm bark beetle, *Scolytus multistriatus* (Marshall). 14947

Comparison of heat and quick freezing for relaxing nematodes prior to permanent mounting. 15082

Control of nematodes on blue spruce. 15263

Survey on the helminths of dromedary in Chad, with special reference to gastro-intestinal strongylosis and haemonchosis (*Haemonchus longistipes*). 15514

Three gastro-intestinal nematodes recently recorded from British cattle. 15518

Survival of infective larvae of the cattle nematodes, *Cooperia punctata*, *Trichostrongylus axei*, and *Oesophagostomum radiatum*. 15519

Note on staining as an aid in counting vinegar eelworms in vinegar. 15534

NEMATOLOGY

Comparison of heat and quick freezing for relaxing nematodes prior to permanent mounting. 15082

Host-parasite relationships of garden halsam and some nematodes. 15265

NEODIPRION

Candling and sighting techniques used in laser investigations of the European pine sawfly, *Neodiprion sertifer* (Hymenoptera: Diprionidae). 14902

NEOPLASMS

Pulmonary adenomatosis of sheep-metastasizing bronchiolar tumors. 15347

Neoplasms of the canine and feline urinary bladder: Clinical findings, diagnosis, and treatment. 15423

Study of chicken sarcoma (strain 13) by vent exposure. 15471

Some biochemical effects of alkylating agents. 15676

NEOPLASTIC DISEASES

Clinical and hematologic studies of lymphosarcoma in a herd of cattle. 15477

NEPHROBLASTOMA

Studies on the transmission and pathology of a viral-induced avian nephroblastoma (embryonal nephroma). 1549D

NERIIDAE

Studies on *Odontoloxozus longicornis* (Diptera: Neriidae.) Part I. Life history and descriptions of immature stages. 14839

NERVOUS SYSTEM

The nervous system of certain abdominal segments and the innervation of the male reproductive system and genitalia of *Hyalophora cecropia*. (Lepidoptera: Saturniidae). 149D7

NEW JERSEY

Forecasting downy mildew of lima bean in Cape May County, New Jersey. 15D87

NEW SPECIES

Japygidae of South America. 4' The genus *Anstrjapyx* and descriptions of new species. 14843

NEWCASTLE DISEASE

Newcastle disease immunity in broilers and caponettes vaccinated with killed-virus and live-virus vaccines. 15349

Revaccination of chickens against Newcastle disease by vent, wing-veh, and intramuscular routes. 15495

NEWCASTLE DISEASE VACCINES

Newcastle disease: Preliminary field tests of beta-propiolactone-killed vaccine. 15371

Response of birds to one intranasal vaccination with B-1 strain of Newcastle disease virus. 15449

NICKEL COMPOUNDS

Factors affecting field performance of nickel salt plus dithiocarbamate fungicide mixtures for the control of wheat rusts. 15201

SUBJECT INDEX

OXALATES

- NICKEL SULFATE**
Control of asparagus rust with a mixture of maneb and nickel sulfate. 15109
- NITROGEN**
Quantitative studies on purine excretion in the greater wax moth, *Galleria mellonella*. 14966
Nitrogen as a factor in the development of exocortis of citrus. 15203
Effects of mulching and nitrogen on corn borer susceptibility in corn. 15248
- NITROGEN MUSTARDS**
Some biochemical effects of alkylating agents. 15676
- NOCTUIDAE**
Sex pheromones of noctuid moths. VIII. Orientation to light by pheromone-stimulated males of *Trichoplusia ni* (Lepidoptera: Noctuidae). 14881
Sex pheromones of noctuid moths. VII. Quantitative aspects of the production and release of pheromone by females of *Trichoplusia ni* (Lepidoptera: Noctuidae). 14882
- NOEMLICLATURE**
The trivial name of the potato tuberworm (Lepidoptera: Gelechiidae). 14823
- NORTH AMERICA**
The hymenopterous parasites (Hymenoptera: Aphidiidae et Aphelinidae) of the pea aphid in eastern North America. 14830
- NORTHEASTERN UNITED STATES**
Gypsy moth defoliation. 15235
- NOSEMA DISEASE**
The effects of sampling sites on *Nosema* determination. 14904
- NOVA SCOTIA**
The distribution, life history, and economic importance of the winter moth, *Operophtera brumata* (L.) (Lepidoptera, Geometridae) in Nova Scotia. 14811
- NUCLEIC ACIDS**
Nucleic acids extracted from the virus polyhedra of the silkworm, *Bombyx mori* (Linnaeus). 14850
The effect of apholate and thiotepea on nucleic acid synthesis and nucleotide ratios in housefly eggs. 14930
- NUCLEOTIDES**
Nucleotide composition of RNA in healthy and mildew-infected leaves of barley. 15120
- NYSSA**
A new disease of swamp tupelo. 15271
- OASES**
Ecology of an oasis. 14809
- OATS**
Identification and distribution of oat smuts of the South-eastern United States. 15114
- ODIOPORUS LONGICOLLIS**
Observations on *Odioporus longicollis* (Coleoptera, Curculionidae) in Kathmandu Valley and its suburbs. 14955
- OILS**
Effect of growth-regulating and other compounds on bacterial spot of pepper. 15219
Lindane in diesel oil prevents western pine beetle attacks for at least one year. 15251
Toxicity of topically applied fats and oils. 15520
Analysis of chlorinated pesticide residues in fats and oils, utilizing dimethyl sulfoxide: a collaborative study. 15558
- OLFACTOMETERS**
Reaction thresholds and specificity of an odor receptor on the antenna of *Locusta*. 14863
- ONCOGENIC VIRUSES**
An epizootic of histiocytic sarcomas in chickens induced by a cell-free agent. 15430
- ONCOPELTUS**
Feeding behavior of the large milkweed bug, *Oncopeltus fasciatus*. 14858
- ONIONS**
Some observations on the number of root lesion nematodes necessary to cause injury to seedling onions. 15048
Selective isolation of soft-rot bacteria of onion. 15094
Pathogenicity of the stubby root nematode to onion. 15259
- ONTARIO**
Scotlyd vectors of the Dutch elm disease in Ontario. 15214
- OOSPORES**
Factors in lima bean and hemp seed required for oospore formation by species of *Phytophthora*. 15615
- OPRIONYSSUS**
Control of the snake mite (*Ophionyssus natricis*), other mites, and certain insects with the sorptive dust, SG 67. 15507
- OREGON**
Biology of the black cherry aphid in the Willamette Valley, Oregon. 15238
- ORGANOPHOSPHORUS COMPOUNDS**
New nematocides. 15268
Gas chromatographic determination of residues of organophosphorus pesticides with a modified flame ionization detector. 15561
Sweep co-Distillation cleanup of milk for determination of organophosphate and chlorinated hydrocarbon pesticides. 15601
- ORNAMENTAL PLANTS**
Further additions to the list of fungus pathogens recorded in Chile. 15145
- ORNITHOSIS**
The histopathologic characteristics of diseases producing inflammation of the air sacs in turkeys—a comparative study. 15324
Case report—An outbreak of ornithosis in New Mexico. 15367
Factors affecting the production and detection of ornithosis antibodies in infected turkeys. 15425
- ORYZAEPHILUS**
Fumigant toxicity of 1,2,3-trichloropropene, ethyleneimine, crotyl bromide and carbon tetrachloride to stored-product insects. 14888
- OSTRINIA**
Effects of mulching and nitrogen on corn borer susceptibility in corn. 15248
- OVARIES**
Variations in uterine response to experimental infection due to the hormonal state of the ovaries. II. The mobilization of leukocytes and their importance in uterine bactericidal activity. 15288
- OVICIDES**
Chemical ovicidal measures as applied to *Taenia hydatigena*, *Taenia ovis*, *Taenia pisiformis*, and *Echinococcus granulosus*. 15516
- OVIPOSITORS**
Laboratory observations of aedine mosquito oviposition (Diptera, Culicidae, *Aedes*). 14976
- OXALATES**
In vitro degradation of oxalate and of cellulose by rumen ingesta from sheep fed halogeton glomeratus. 15390
Pigweed (*Amaranthus retroflexus*). an oxalate-containing plant. 15404

SUBJECT INDEX

OXYGEN

- OXYGEN**
Influence of oxygen supply on survival of plant parasitic nematodes in soil. 15272

- OXYRHACHIS**
A clarification of certain structures in the thoracic region of *Oxyrhachis* (Homoptera: Membracidae). 14821

- OXYTETRACYCLINE**
Chemicals for plant disease control. 15128
The influence of terephthalic acid on oxytetracycline serum levels in chickens, Studies on mode of action, I. 15442
The effect of the use of antibacterial drugs, particularly as food additives, on the emergence of drug-resistant strains of bacteria in animals. 15467
The therapeutic value of terramycin-TPA on CBD. 15491
Notice of filing of petition for food additive oxytetracycline. 15585

- OXYURIASIS**
Oxyuriasis in laboratory mouse colonies. 15386

- OZONE**
Comparative effectiveness of some equipment and methods of measuring low concentrations of ozone. 15180
Characterization of the plant damage problem by air pollutants in New Jersey. 15538

- PALMAE**
On the life history and habits of the palm weevil, *Rhynchophorus palmarum*. 14820

- PANOGEN**
Seedling disease of wheat caused by *Sclerotium rolfsii*. 15098

- PANONYCHUS**
Fecundity, longevity, and transinfectivity of citrus red mites (*Panonychus citri*) infected with a noninclusion virus. 14883

- PANONYCHUS CITRI**
Biotic potential of phytoseiid mites fed on virus-infected citrus red mites. 14950

- PANOPEA**
Larval descriptions of two species of *Panorpa* (Mecoptera: Panorpidae), with notes on their biology. 14927

- PAPAYAS**
Symptoms of tobacco ringspot virus on papaya. 15129

- PARAFFIN OILS**
Viscosity of naphthenic and paraffinic spray oils in relation to phytotoxicity and Sigatoka disease control on banana leaves. 15023

- PARAINFLUENZA-3 VIRUS**
Serological investigation in French cattle; research on hemagglutination inhibiting antibodies due to myxovirus parainfluenza-3. 15338

- PARAQUAT**
Action and effectiveness of certain classes of herbicides. 15667

- PARASITES**
Parasites and predators associated with five species of leaf-mining insects in black locust. 14814

- PARASITIC INSECTS**
The coexistence of insect parasites and hosts in laboratory ecosystems. 14801

- Viability of the chalcid parasite *Tetrastichus pyraliae* Crawford from the host *Pyralia perpusilla* Walker egg. 14829

- Parasitism of *Sirex noctilio* F. by *Schlettererius cinctipes* (Cresson) (Hymenoptera: Stephanidae). 14965

- PARASITIC PLANTS**
Appraisal of biological control of *Arceuthobium campylopodum* F. *campylopodum* by *Colletotrichum gloeosporioides*. 15283

PARASITISM

- The hymenopterous parasites (Hymenoptera: Aphididae et Aphelinidae) of the pea aphid in eastern North America. 14830

- Parasites of the red-pine sawfly, *Neodiprion nanulus* nanulus (Hymenoptera: Diprionidae), in New Brunswick. 14844

- Transmission of bacterial pathogens by the ovipositor of a hymenopterous parasite. 14867

- Propagation of braconid parasites of the pea aphid. 14887

- The susceptibility of honey bees of different ages to infestation by *Acarapis woodi* (Bennie). 14905

- Preliminary observations on the incidence and biology of a nematode of *Aedes sollicitans* in Louisiana. (abstract). 14933

- Note: Elimination of microsporidiosis in laboratory-reared European corn borers by the use of heat. 14939

- Nematode parasites and associates of the smaller European elm bark beetle, *Scolytus multistriatus* (Marshall). 14947

- Evidence for functional cytochrome oxidase in tissues infected by obligate parasites. 15033

- Preliminary laboratory tests utilizing *Beauveria bassiana* (Balsamo) Vuillemin on *Calomycterus setarius* Roelofs. 15234

- Spicaria rileyi* (Farlow) Charles, an entomogenous fungus of *Trichoplusia ni* (Huebner). 15237

- A pasture trial using 2 immunizing doses of a parasitic bronchitis vaccine. 15391

- Cellular response to endogenous stages of *Coccidia* in cattle, with observations of the influence of chemicals upon the host-parasite relationship. 15509

- Effect of major and minor gene interaction on adaptive parasitism in *Phytophthora infestans*. 15631

PARASITOLOGY

- Host-parasite relationships of garden balsam and some nematodes. 15265

PARATHION

- Effect of temperature, aeration, pH, and the presence of soil on the toxicity of various insecticides to mosquito larvae. 14817

- Efficiency of granulated insecticides influenced by solvents used for impregnation. 14978

- Mammalian detoxification of insecticides. 14989

- Interference with the biological control of cottony-cushion scale by insecticides and attempts to re-establish a favorable natural balance. 15224

- Safety of wildlife is important to planners of gnat-control program. 15239

- Effect of soil treatments of heptachlor and parathion on predators and parasites of root maggots attacking rutabagas on Prince Edward Island. 15249

- A sensitive procedure for urinary p-nitrophenol determination as a measure of exposure to parathion. 15559

- Correlation of the effects of parathion on erythrocyte cholinesterase with symptomatology in pigs. 15574

- Mammalian detoxification of insecticides. 15602

PAROTID GLAND

- The relation between the composition of parotid saliva and mixed saliva in sheep during the induction of sodium deficiency. 15659

PARSLEY

- Stemphylium* leaf spot of parsley. 15108

PARTHENOGENESIS

- A study of the capability of the rice weevils *Sitophilus sasakii* and *S. oryzae* to reproduce parthenogenetically. 14816

PARTICLE SIZE DETERMINATION

Studies on fine-particle, coarse-particle, and concentrated aerosols. 14948

PASTURELLA BACTERIUMS

Studies on shipping fever of cattle. II. Prevalence of Pasteurella species in nasal secretions from normal calves and calves with shipping fever. 15387

PASTURELLOSIS

Studies on pasteurellosis. IV. Killed fowl cholera vaccine absorbed on aluminum hydroxide. 15381

Studies on pasteurellosis. III. Control of experimental fowl cholera in chickens and turkeys with an emulsified killed vaccine. 15382

An unusual aspect of Pasteurella pseudotuberculosis in turkeys. 15395

PASTURES

A pasture trial using 2 immunizing doses of a parasitic bronchitis vaccine. 15391

PATENTS

Method for treating animals infested with pests of the phylum arthropoda. patent 3,367,831. 15508

Herbicidal method utilizing glycol esters of 2,3,6-trichlorophenylacetic acid as herbicides. patent 3,325,273. 15670

Antibiotic streptococci and process for preparation. patent 3,334,015. 15671

Tinnygal compositions and methods for their use. patent 3,370,957. 15675

PATROGENESIS

Stemphylium ray speck of chrysanthemum. 15195

A second pathogenic race of Pseudomonas sesami. 15199

PEACHES

Nectar of peach leaf glands as insect food. 14937

Maintaining virus-free cultivars of peach in Michigan. 15026

Time of pruning and infection of peach trees by Pseudomonas syringiae. 15042

Behavior of western X virus in wellrogued peach and cherry orchards. 15075

Reduction of peach decays by hydrocooling with chemical solutions and chemically treated ice. 15188

Ammonia injury to apples and peaches in storage. 15522

Polyethylene liners and fungicides for peaches and nectarines. 15526

Food and food products. tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. 0-Phenylphenol and its sodium salt. 15593

PEANUT BUTTER

A semi-quantitative determination of aflatoxin B in ground-nut meal, groundnuts and peanut butter. 15292

PEANUT MEAL

A semi-quantitative determination of aflatoxin B in ground-nut meal, groundnuts and peanut butter. 15292

PEANUTS

Peanut stunt disease survey in Virginia, 1966. 15124

A semi-quantitative determination of aflatoxin B in ground-nut meal, groundnuts and peanut butter. 15292

PEARS

Longevity of the fire blight organism, Erwinia amylovora on pear trees in the greenhouse as demonstrated by infection after sandblast injury. 14901

Pear decline virus transmission by pear Psylla. 15089

PEAS

The ribonucleic acids of leaves and pods of peas infected with pea enation mosaic virus. 15017

The effect of storage molds on germination and vigor of canning peas. 15025

Rhizoctonia tip blight and stem rot of pea. 15049

Purification of viruses from pea roots. 15052

Purification of pea enation mosaic virus. 15067

Typical field symptoms of pea viroses produced in greenhouse by deferring inoculation until flowering time or later. 15157

PECTINASE

Pectin trans-eliminase and polygalacturonase production by Rhizoctonia solani and other fungi. 15645

PECTINOPHORA GOSSYPIELLA

Mating studies of the pink bollworm, Pectinophora gossypiella (Lepidoptera: Gelechiidae), based on presence of spermatophores. 14880

Mating frequency of female pink bollworms collected from light traps. 14884

PECTINS

Pectin trans-eliminase and polygalacturonase production by Rhizoctonia solani and other fungi. 15645

PEKIN DUCKS

Eastern encephalitis in white Pekin ducklings on long island. 15356

Studies on Pasteurella anatipestifer infection in white Pekin ducks. 15441

PEMPHIGUS BURSARIUS

Overwintering in Pemphigus bursarius (L.). 15243

PENICILLIN

Safety and tissue residue evaluations in swine fed rations containing chlortetracycline, sulfamethazine, and penicillin. 15411

The effect of the use of antibacterial drugs, particularly as food additives, on the emergence of drug-resistant strains of bacteria in animals. 15467

Simple ultrasensitive test for detecting penicillin in milk. 15575

PENICILLIUM

The effect of corn root exudate on the growth of five fungi associated with corn roots. 15132

PENICILLIUM STOLONIPERUM

Virus-like particles of a fraction of a statolon, a mould product. 15617

PENTACHLORONITROBENZENE

An anomalous effect of pentachloronitrobenzene on the incidence of damping-off caused by a Phythium sp. 15058

Effect of pentachloronitrobenzene. 15178

Control of diseases of shallots. 15521

PENTACHLOROPHENOL

Notice of withdrawal of petition for food additives. 15590

Action and effectiveness of certain classes of herbicides. 15667

PENTOSE

Pyridine nucleotide-linked enzymatic reduction of triose, pentose, and hexose phosphates associated with rust infection. 15625

PEPTIDES

Isolation and characterisation of malformin. 15673

PERIPLANETA

Distribution and fate of 4-C14 cholesterol in the adult male American cockroach. 14896

SUBJECT INDEX

PERIPLANETA AMERICANA

PERIPLANETA AMERICANA

Lysozyme-like action of enzymes from the cockroach *Periplaneta americana* and from some other sources. 14934

PERMEABILITY

Permeability changes caused by victorin. 15651

PEROXIDASES

Peroxidase activity in virus-infected sweet potatoes. 15113

Peroxidases and their relation to vascular browning in banana roots. 15117

PERSICARGAS

The subgenus *Persicargas*, new subgenus (Ixodoidea, Argasidae, Argas). I. A. (P.) arboreus, an Egyptian *Persicargas*-like parasite of wild bees, with a redefinition of the subgenus Argas. 14828

PEST CONTROL

Several insects cause concern. 14991

Population ecology and pest control. 14993

U.S.D.A's long range objectives in meeting agricultural pest problems. 15286

PESTICIDE ANALYSIS

Selective residue determination of sulfur-, halogen-, and phosphorus-containing pesticides by helium-plasma emission spectrometry. 15656

PESTICIDE APPLICATION

New nematocides. 15268

PESTICIDE RESIDUES

Relation between residues of folpet and control of brown rot on sour cherry fruit in Door County, Wisconsin, 1962. 15137

Safety of wildlife is important to planners of gnat-control program. 15239

The spectrophotofluorometric determination of buquinolate in poultry tissue and eggs. 15511

Guide to the analysis of pesticide residues. SR953.b8. 15554

Fish, wildlife unaffected by boll weevil program. 15557

Analysis of chlorinated pesticide residues in fats and oils, utilizing dimethyl sulfoxide: a collaborative study. 15558

Gas chromatographic determination of residues of organophosphorus pesticides with a modified flame ionization detector. 15561

DDT reportedly discovered in antarctic seals and fish. 15563

Note on identification of azinphosmethyl in human tissues and in figs. 15579

PFC (Plant Pest Control) Manual. 15584

Notice of filing of petition regarding pesticides. 15586

Notice of filing of petition regarding pesticides. 15588

Notice of withdrawal of petition for food additives. 15590

Food and food products. tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-Phenylphenol and its sodium salt. 15593

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. procedural regulations. fees. specific tolerances. general provisions. 15598

Selective residue determination of sulfur-, halogen-, and phosphorus-containing pesticides by helium-plasma emission spectrometry. 15656

Electron capture gas chromatography. 15674

PESTICIDES

Mammalian detoxification of insecticides. 14989

An obstacle course in ragweed control. 15281

U.S.D.A's long range objectives in meeting agricultural pest problems. 15286

Method for treating animals infested with pests of the phylum arthropoda. patent 3,367,831. 15508

Water pollution control and abatement. TD420.v45. 15548

Rachel Carson influence gains momentum as book appears. 15549

WACA discussions cover 'silent spring'. 15570

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. procedural regulations. fees. specific tolerances. general provisions. 15598

Farm chemicals handbook. 1968 ed. 15692

Pesticide safety and use in Europe. 15695

Liability for misuse of pesticides. 15697

PHARMACOLOGY

Pharmacology and toxicology of carbon tetrachloride in the sheep. iv. reduction and augmentation of toxicity to sheep. 15397

PHEASANTS

Case report- botulism type C outbreak on a pheasant game farm. 15486

PHENOL REACTION

Color formation on phenol-containing media as related to lignin breakdown by wood-rotting basidiomycetes. 15630

PHENOLS

The diphenylamine reaction and transmission experiments with phenol extracts of plants infected with potato leaf roll virus. 15101

Determination of Niagara NIA-10242 and its phenol degradation product in corn silage and milk and determination of other carbamates by GLC of their thiophosphoryl derivatives. 15552

Food and food products. tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-Phenylphenol and its sodium salt. 15593

PHENOTHIAZINE

Tranquillizing horses with promazine hydrochloride. 15291

PEROMONE

Chemical releases of social behavior-IV. The hindgut as the source of the odor trail pheromone in the neotropical army ant genus Eciton. 14807

PEROMONES

Sex pheromones of noctuid moths. VIII. Orientation to light by pheromone-stimulated males of *Trichoplusia ni* (Lepidoptera: Noctuidae). 14881

Sex pheromones of noctuid moths. VII. Quantitative aspects of the production and release of pheromone by females of *Trichoplusia ni* (Lepidoptera: Noctuidae). 14882

PHILODROMUS

Life histories and habits of two species of *Philodromus* (Araneida: Thomisidae) in Ontario. 14936

PHLEBOTOMUS

The rearing of *Phlebotomus* sandflies (Diptera: Psychodidae) II. Development and behavior of Panamanian sandflies in laboratory culture. 14899

PHLORIZIN

Metabolism in vitro of phloridzin and other compounds by *Venturia inaequalis*. 15627

PHOMA

Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160

PHOMOPSIS JUNIPEROVORA

A study of symptoms and control of *Phomopsis juniperovora* on Arizona cypress. 15127

SUBJECT INDEX

PINOS BANKSIANA

- PHOSPHATE**
Reduction of aster yellows. 15053
Preliminary study on some of the factors affecting control of western corn rootworm larvae with soil insecticides. 15246
- PHOSPHATASES**
Properties of purified acid phosphatases from healthy and rust-infected bean leaves. 15652
- PHOSPHATES**
Antibiotic activity of an organic phosphate in cattle and sheep. 15515
- PHOSPHOLIPIDS**
The glycerolipids of *Mycoplasma mycoides*. 15439
- PHOSPHOROTHIOIC ACID**
Toxicologic effects of a phosphorothioic acid insecticide in sheep. 15609
Toxicologic effects of a phosphorothioic acid insecticide in cattle. 15610
- PHOSPHORUS**
Phosphorus fertilization and the phytotoxicity of simazine. 15613
- PHOTOCHEMISTRY**
Inhibition of photochemical activity of isolated chloroplasts by acylanilides. 15280
Prevention of photodynamic killing of fungal cells by carotenoids. 15620
- PHOTOPERIODISM**
A photoperiodic effect on the daily susceptibility of the house fly to trichlorfon. 14877
Photoperiod effects in *Pieris rapae*. 14913
- PHOTOSENSITIZATION**
Ingestion of *Ammi visnaga* seeds and photosensitization - The cause of vesicular dermatitis in fowls. 15478
Experimental photosensitization by spring parsley (*Cymopterus watsonii*) in chicks. 15494
- PHOTOSYNTHESIS**
Photosynthesis in healthy and rust-affected tissues. 15112
Respiration, photosynthesis, and dark fixation of $C^{14}O_2$ by healthy and rusted bean leaves. 15653
- PHYTOHORMONES**
The trivial name of the potato tuberworm (Lepidoptera: Gelechiidae). 14823
- PHYTOLOGICAL**
A dry rot of acorn squash, *Cucurbita pepo*. L. 15040
- PHYTOPATHOLOGY**
Longevity of the fire blight organism, *Erwinia amylovora* on pear trees in the greenhouse as demonstrated by infection after sandblast injury. 14901
The ribonucleic acids of leaves and pods of peas infected with pea enation mosaic virus. 15017
Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160
- PHYTOPHTHORA**
The occurrence of a *Phytophthora* root and leaf disease of black pepper in Jamaica. 15106
Systemic and fungicidal activity of D-, L-, and DL-ethionine, S-alkyl-DL-HOMOCYSTEINE derivatives, and methionine antagonists. 15138
Base composition of soluble ribonucleic acid from *Phytophthora infestans*. 15149
- Factors in lima bean and hemp seed required for oospore formation by species of *Phytophthora*. harnish, W. N. 15615
Effect of major and minor gene interaction on adaptive parasitism in *Phytophthora infestans*. 15631
- PHYTOPHTHORA INFESTANS**
Effect of irrigation method and frequency on development of *Phytophthora infestans* on potatoes under arid conditions. 15166
- PHYTOPHTHORA MEGASPERMA**
Isolation of *Phytophthora megasperma* var- *sojae* in soil dilution plates. 15623
- PHYTOTOXICITY**
Deposit rate and spray oil composition in relation to phytotoxicity and Sigatoka disease control on banana leaves. 15022
- PICEA**
Mined buds, a hibernation site for spruce budworm. 14804
A comparison of the developmental rates of one- and two-year cycle spruce budworm. 14951
Tolerances of *Picea* spp. to a nematocide. 15636
- PICEA PARBYANA**
Control of nematodes on blue spruce. 15263
- PICLOHAM**
Action and effectiveness of certain classes of herbicides. 15667
- PIERIS**
Photoperiod effects in *Pieris rapae*. 14913
Seasonal shifts in the relative resistance to insect attack of eight commercial cabbage varieties. 15285
- PIERIS RAPAE**
A bioassay technique for determining the insecticidal activity of preparations containing *Bacillus thuringiensis* Berliner. 14960
- PIGMENTATION**
Pigment-producing variants of *Bacillus thuringiensis* Berliner from the silkworm. 14953
- PINE CONES**
Pine cone rust in the highlands of Guatemala. 15169
- PINE NEEDLES**
The possible use of pine needles as spore traps. 15077
- PINEAPPLE DISEASE (SOGABCAN)**
Storage and germination of cuttings and soil microorganisms as they relate to the pineapple disease of sugar cane. 15016
- PINEAPPLES**
Notice of filing of petition regarding pesticides. 15586
- PINUS**
Susceptibility of eastern white pine to chlorotic dwarf. 15039
Effect of light on the rate of decay of three wood destroying fungi. 15044
Physiological factors in the etiology and alleviation of salt-induced decline of roadside maples and pines. 15102
The biology and ecology of *Dendroctonus valens* Plect., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zimm in central Mexico (Coleoptera: Scolytidae). 15165
Fungi associated with a wood wasp in dying pines in Tasmania. 15205
Plant-parasitic nematodes associated with shortleaf pine showing symptoms of littleleaf. 15269
- PINUS BANKSIANA**
Effects of x-irradiation of seed on x-1 and x-2 generations in *Pinus banksiana* Lambert. 15643

SUBJECT INDEX

PINUS ELLIOTTII

PINUS ELLIOTTII

Resistance to fusiform rust in slash pine as shown by artificial inoculation. 15090

PINUS PONDEROSA

Albino Peridermium harknessii in ponderosa pine. 15153

Appraisal of biological control of Arceuthobium campylopodum f. campylopodum by Colletotrichum gloeosporioides. 15283

PINUS RADIATA

Parasitism of Sirex noctilio F by Schlettererius cinctipes (Cresson) (Hymenoptera: Stephanidae). 14965

Principal diseases affecting Pinus radiata in Chile. 15008

PINUS TAEDA

Antibiotic treatment of young loblolly pines infected with fusiform rust. 15050

PIPER NIGRUM

The occurrence of a Phytophthora root and leaf disease of black pepper in Jamaica. 15106

PIROPLASMOSIS

Bovine babesiosis. the passive immunization of calves against Babesia argentina with special reference to the role of complement fixing antihodies. 15517

PLACENTA

Placental pathology of sheep with vibriosis. 15392

PLANT ABNORMALITIES

Studies on a virus causing stem grooving and graft-union abnormalities in Virginia Crab apple. 15001

PLANT BIOCHEMISTRY

A survey of green plants for antimicrobial substances. 15186

Evidence for a chemical basis of resistance of lima bean plants to downy mildew. 15206

Mechanisms of variations in Verticillium albo-atrum. 15618

Association of polygalacturonate trans-eliminase with southern anthracnose but not with spring black stem or Stemphylium leaf spot of alfalfa. 15624

Analysis of proteins and enzymes of the interaction between Phaseolus vulgaris and Pseudomonas phaseolicola (halo blight of beans). 15642

Fixation of HC14N by fungi. 15649

Protein and isozyme patterns of sweet potatoes as related to acquired immunity. 15650

Properties of purified acid phosphatases from healthy and rust-infected bean leaves. 15652

Effect of chloramphenicol on the concentrations of free amino acids and amides in healthy and cucumber mosaic virus (CMV- Y) infected plants. 15655

PLANT BREEDING

Pathogen variability and breeding Verticillium wilt resistant strawberries. 15018

PLANT DISEASE CONTROL

Failure of psorosis virus to protect against citrus variegation virus. 15028

Studies on the control of black rot of crucifers by treating seeds with antibiotics. 15100

Heat-induced susceptibility of tobacco to Tobacco mosaic virus. 15110

Chemicals for plant disease control. 15128

PLANT DISEASE RESISTANCE

Pathogen variability and breeding Verticillium wilt resistant strawberries. 15018

Mosaic susceptibility of sugarcane seedlings as determined by mechanical inoculation and natural infection. 15036

Cercospora leaf spot-resistant radish greens. 15046

Resistance to several viral diseases inherited as a unit.

15083

Resistance to fusiform rust in slash pine as shown by artificial inoculation. 15090

Resistance of Brassica oleracea varieties to downy mildew. 15142

Symptomless hosts of the potato spindle tuber virus. 15146

The effect of growth substances on Verticillium wilt of. 15181

Seasonal fluctuations in susceptibility of young elm seedlings to Dutch elm disease. 15187

Genetics of resistance to Erysiphe polygoni in Trifolium pratense. 15193

Evidence for a chemical basis of resistance of lima bean plants to downy mildew. 15206

Seasonal variation in the incidence of radish yellows and effect of crop rotation on plant survival and yield. 15220

Influence of irrigation and soil infestation with strains of Phytophthora dreschleri on root rot resistance of safflower. 15222

Rates of phenolic synthesis in potato roots resistant and susceptible to Verticillium albo-atrum. 15654

PLANT DISEASE TRANSMISSION

Methods of mechanical transmission of bean yellow mosaic virus into white clover. 15002

Transmission of radish mosaic virus. 15024

Maintaining virus-free cultivars of peach in Michigan. 15026

Plant-to-plant transfer of stone fruit ringspot virus in squash by pollination. 15035

Effects of time and temperature on rate of graft transmission of the Prunus ringspot virus. 15054

Alfalfa mosaic virus transmitted through alfalfa seed. 15055

Evidence against seed transmission of green ring mottle virus in Mazzard cherry seedlings. 15060

Additional evidence on soil transmission of tobacco ringspot virus. 15076

Pear decline virus transmission by pear Psylla. 15089

The diphenylamine reaction and transmission experiments with phenol extracts of plants infected with potato leaf roll virus. 15101

Multiplication and movement of Wisconsin pea streak virus in pea. 15118

Transmission of apple mosaic and stem-pitting viruses through root grafts. 15126

Cross-transmission studies with citrus and prunus viruses. 15155

Preliminary note on transmission of a virus disease resembling tungro of rice in India and other virus-like symptoms. 15159

The transovarial transmission of wound-tumor virus. 15179

Transmission of tobacco mosaic virus in tomato seed. 15198

PLANT DISEASES

Longevity of the fire blight organism, Erwinia amylovora on pear trees in the greenhouse as demonstrated by infection after sandblast injury. 14901

Undescribed plant diseases and new hosts recorded in Oregon during 1960-1961. 15071

Index to genera of pathogens listed in the "Index of Plant Diseases in the United States. 1. 15073

Epidemiology of tea blister blight (Exobasidium vexans).

SUBJECT INDEX

PLANT REGULATORS

- III. Spore deposition and disease prediction. 15095
- Photosynthesis in healthy and rust-affected tissues. 15112
- A survey of carnation diseases in south Sweden. 15144
- Sting nematode on grape cuttings in Florida. 15168
- PLANT GALLS**
- Physiological basis of gall formation in black-knot disease of *Prunus*. 15066
- Albino *Peridermium harknessii* in ponderosa pine. 15153
- PLANT GRAFTING**
- Transmission of apple mosaic and stem-pitting viruses through root grafts. 15126
- PLANT GROWTH INHIBITORS**
- Factors in the production and stimulation of some antibiotics of fungal origin inhibiting the growth of pathogenic fungi. 15140
- Herbicidal control of tall larkspur. 15282
- Inhibition of plant growth by halogenated benzoic acids. 15628
- PLANT HARDINESS**
- The effect of storage molds on germination and vigor of canning peas. 15025
- PLANT INJURIES**
- Soil treatments with broadcast or band applications of organophosphorous or carbamate insecticides for prevention of wireworm damage to potatoes. 15227
- Grasshopper damage on short-grass rangeland of the San Carlos Apache Indian Reservation, Arizona. 15247
- Characterization of the plant damage problem by air pollutants in New Jersey. 15538
- PLANT INSECT RESISTANCE**
- Relative effectiveness of resistance of field corn to the European corn borer, *Pyrausta nubilalis*, in crop protection and in population control. 15229
- PLANT METABOLISM**
- Uridine-R3 incorporation in tobacco infected by tobacco mosaic virus. 15190
- Metabolite changes induced by cucumber mosaic virus in resistant and susceptible strains of cowpea. 15217
- Investigations on Dursban insecticide. Metabolism of O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate and 3,5,6-trichloro-2-pyridinol in plants. 15582
- Prevention of photodynamic killing of fungal cells by carotenoids. 15620
- Metabolism in vitro of phloridzin and other compounds by *Venturia inaequalis*. 15627
- PLANT MORPHOLOGY**
- Observations on the colonial morphology of leptospires. 15317
- PLANT MUTATION**
- Phenotypic restoration of fertility in a male-sterile mutant by treatment with gibberellic acid. 15629
- PLANT NEMATODES**
- Some observations on the number of root lesion nematodes necessary to cause injury to seedling onions. 15048
- Sting nematode on grape cuttings in Florida. 15168
- Stimulation of batching of the potato-root eelworm *Heterodera rostochiensis* by ion exchange resins. 15254
- Determination of nematode mortality. 15255
- Field trials of new nematocides in 1960 for controlling root-knot nematodes. 15256
- Control of plant-nematodes and weeds in bolly nurseries. 15257
- Soil fumigation by injection and irrigation for the control of nematodes on hops. 15261
- Host-parasite relationships of garden balsam and some nematodes. 15265
- Species of root-lesion nematodes commonly associated with economic crops in the Delta of the U.A.R. 15267
- New nematocides. 15268
- Plant-parasitic nematodes associated with shortleaf pine showing symptoms of littleleaf. 15269
- Preliminary studies on the control of nematodes in outdoor rose plantings. 15270
- Influence of oxygen supply on survival of plant parasitic nematodes in soil. 15272
- A nematode (*Meloidodera* sp.) on Douglas-fir mycorrhizae. 15275
- Control of pathogenic fungi, nematodes, and weeds by pre-planting chemical treatments. 15640
- PLANT NUTRITION**
- Influence of nutrition, pH, soil temperature, and soil moisture on *Phythium* blight of bigland bentgrass. 15139
- Tree nutrition and fire blight development. 15151
- PLANT PEST CONTROL**
- La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. SR951.15. 14906
- PPC (Plant Pest Control) Manual. 15584
- PLANT PEST RESISTANCE**
- The relative resistance to insect attack of three cabbage varieties at different stages of plant maturity. 15284
- Seasonal shifts in the relative resistance to insect attack of eight commercial cabbage varieties. 15285
- PLANT PHYSIOLOGICAL DISEASES**
- Physiological factors in the etiology and alleviation of salt-induced decline of roadside maples and pines. 15102
- PLANT PHYSIOLOGY**
- Physiological basis of gall formation in black-knot disease of *Prunus*. 15066
- The relative resistance to insect attack of three cabbage varieties at different stages of plant maturity. 15284
- Metabolism in vitro of phloridzin and other compounds by *Venturia inaequalis*. 15627
- PLANT PROTECTION**
- Protection of cucumber seedlings from stone fruit ringspot virus by 8-azaaguanine. 15099
- PLANT PROTECTIVE DEVICES**
- A survey of green plants for antimicrobial substances. 15186
- Repellancy of reflective aluminum to transient aphid viral vectors. 15189
- Prevention of photodynamic killing of fungal cells by carotenoids. 15620
- PLANT REGULATORS**
- The effect of chlorinated C3 hydrocarbons on growth and amino acid production of indigenous soil bacteria. 15000
- The effect of growth substances on *Verticillium* wilt of. 15181
- Effect of growth-regulating and other compounds on bacterial spot of pepper. 15219
- Inhibition of plant growth by halogenated benzoic acids. 15628
- Action and effectiveness of certain classes of herbicides. 15667

SUBJECT INDEX

PLANT RESIDUES

PLANT RESIDUES

Eradication of soil fungi by a combination of crop residue, flooding, and anaerobic fermentation. 15213

PLANT RESPIRATION

Respiration, photosynthesis, and dark fixation of C1402 by healthy and rusted bean leaves. 15653

PLANT TEMPERATURE

Effects of time and temperature on rate of graft transmission of the Prunus ringspot virus. 15054

Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160

Effects of temperature and light on plant susceptibility to cucumber mosaic virus by aphid transmission. 15194

PLANT TRANSLOCATION

A difference in the translocability of two viruses in bean plants. 15170

PLANTS

Accumulation of copper by some Zambian plants. 15641

PLAQUE

Plaque characteristics of four classes of bovine viruses. 15374

PLASTICS

Plastic pots compared with clay pots for rearing white-fringed beetle larvae. 14857

PLEGA

Some notes on the life history of Plega banksi (Neuroptera Mantisidae). 14845

PLEUROPNEUMONIA-LIKE ORGANISMS

The histopathologic characteristics of diseases producing inflammation of the air sacs in turkeys—a comparative study. 15324

Antibiotic resistance and mutation rates of mycoplasma. 15353

Serological studies of avian pleuropneumonia-like organisms (PPLO) with Edward's technique. 15362

Studies of egg transmission of PPLO in chickens. 15363

Swine serum and CO2 in the isolation of avian PPLO. 15364

PLUMS

Food and food products, tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. 0-Phenylphenol and its sodium salt. 15593

PLUTELLA MACULIPENNIS

A bioassay technique for determining the insecticidal activity of preparations containing Bacillus thuringiensis Berliner. 14960

POD MOTTLE (BEANS)

Serological studies of red node and pod mottle viruses. 15174

POISON GLANDS

Constituents of Dufour's gland in Myrmecia gulosa. 14872

POISONING

Mammalian detoxification of insecticides. 14989

In vitro degradation of oxalate and of cellulose by rumen ingesta from sheep fed halogeton glomeratus. 15390

Experimental water intoxication in calves. 15396

Pigweed (Amaranthus retroflexus), an oxalate-containing plant. 15404

Cassia occidentalis toxicosis in cattle. 15410

Vertebral biopsy in cattle. 15445

Note on identification of azinphosmethyl in human tissues and in figs. 15579

Mammalian detoxification of insecticides. 15602

Acute lead poisoning in swine. 15604

POISONOUS PLANTS

Cassia occidentalis toxicosis in cattle. 15410

The etiology of legume float-nonvolatile acids. 15457

POLLINATION

Plant-to-plant transfer of stone fruit ringspot viruses in squash by pollination. 15035

POLYBOR 3

Feed additives for control of house fly larvae in livestock feces. 15503

POLYETHYLENE

Use of polyethylene bags for corn root infection studies. 15133

Polyethylene liners and fungicides for peaches and nectarines. 15526

POLYHEDROSES

Nucleic acids extracted from the virus polyhedra of the silkworm, Bombyx mori (Linnaeus). 14850

Interference between cytoplasmic-polyhedrosis viruses of the silkworm, Bombyx mori (Linnaeus), and of the pine caterpillar, Dendrolimus spectabilis (Butler). 14852

Fine structure of some insect viruses. 14860

Demonstration of nuclear polyhedrosis in Bombyx mori (Linnaeus) by fluorescent antibody technique. 14903

Adaption of a nuclear-polyhedrosis virus of Trichiocampus vernalis (Fallen) to larvae of Trichiocampus irregulatus (Dyar). 14956

A cytoplasmic polyhedrosis of Cactohlastis cactorum (Berg). 14963

The influence of physical stress on growth and nuclear polyhedrosis of Trichoplusia ni (Huehner). 15242

POLYMERS

Infrared absorption spectra and polymeric structures of three s-triazine herbicides and their metabolites. 15657

POLYPLOIDY

Induced polygenic mutations in hexaploid wheats. 15621

POLYPOREUS TOMENTOSOS

Fluorescent antibody technique for detection of Polyporus tomentosus. 15104

POLYSACCHARIDES

Characterization of Vibrio fetus antigens. IV. Study of polysaccharide-antibody reactions by a rapid slide gel diffusion technique. 15310

POPULATION

Critical application of logistic principle on the laboratory population of Anthrenus flavipes Lec. 14856

Population trends and movement of Corynebacterium flaccumfaciens var. aurantiacum in tolerant and susceptible beans. 15172

PORTHETRIA

Gypsy moth defoliation. 15235

PORTUGAL

Note on identification of azinphosmethyl in human tissues and in figs. 15579

POTASSIUM

Studies on reticulo-rumen sodium and potassium concentrations and electrical potentials in sheep. 15672

POTASSIUM PHOSPHATE

In vitro increase in virus infectivity. II. 15221

POTATOES

Steroid alkaloids in the disease resistance of white potato tubers. 14995

Serology of the potato spindle tuber virus. 15009

Effect of incubation temperature on length and infectivity

SDBJECT INDEX

PSEDDOTSUGA

- of potato virus X particles in four host species. 15068
- Symptomless hosts of the potato spindle tuber virus. 15146
- Base composition of soluble ribonucleic acid from *Phytophthora infestans*. 15149
- Soil treatments with broadcast or band applications of organophosphorous or carbamate insecticides for prevention of wireworm damage to potatoes. 15227
- Stimulation of hatching of the potato-root eelworm *Heterodera rostochiensis* by ion exchange resins. 15254
- Chemotherapeutic control of a root-knot nematode. 15258
- Effect of major and minor gene interaction on adaptive parasitism in *Phytophthora infestans*. 15631
- Rates of phenolic synthesis in potato roots resistant and susceptible to *Verticillium albo-atrum*. 15654
- PODLTRY**
- The control of poultry lice and mites with several organic insecticides. 15240
- Report on the pullorum disease testing results for the 32nd northeastern conference on avian diseases. 15312
- Physicochemical properties of the infectious bursal agent (IBA). 15326
- Newcastle disease immunity in broilers and caponettes vaccinated with killed-virus and live-virus vaccines. 15349
- Escherichia coli* serotypes isolated from salpingitis and chronic respiratory disease of poultry. 15373
- Detection of bacterial contaminants in live virus poultry vaccines. 15384
- Improved staining method for leucocyte count of poultry. 15444
- Coexistence of infectious bronchitis and infectious laryngotracheitis. 15451
- Ingestion of *Amni visnaga* seeds and photosensitization - The cause of vesicular dermatitis in fowls. 15478
- Effects of vitamin-A deficiency and high-level chlortetracycline on experimental candidiasis of turkeys. 15479
- Experimental photosensitization by spring parsley (*Cynopterus watsonii*) in chicks. 15494
- Revaccination of chickens against Newcastle disease by vent, wing-web, and intramuscular routes. 15495
- The spectrophotofluorometric determination of huguinolate in poultry tissue and eggs. 15511
- Field trials with hygromycin as an anthelmintic in poultry. 15512
- Toxicity of topically applied fats and oils. 15520
- A survey to determine the salmonella contamination rate in livestock and poultry feeds. 15535
- PODLTRY HATCHERIES**
- Hatchery spread of pullorum disease through debeaking. 15389
- Hatchery sanitation as a control measure for aspergillosis in fowl. 15496
- Hatchery sanitation. 15497
- POWDERY MILDEW (PEACHES)**
- The orchard development of peach powdery mildew. 15216
- PRECIPITIN TEST**
- Detection of precipitins against *Brucella ovis*. 15406
- PREDACEODS INSECTS**
- Estimation of *Dendroctonus brevicornis* (Coleoptera: Scolytidae) mortality caused by insect predators. 14806
- Seasonal changes in the abundance of certain aphids and their predators in Giza.. 14854
- Biotic potential of phytoseiid mites fed on virus-infected citrus red mites. 14950
- PREDATORY ANIMALS**
- Preliminary report on the feeding pattern of two species of fish in a rice field habitat. 14988
- PREVENTIVE MEDICINE**
- Aureomycin chlortetracycline as a preventive for experimental synovitis in chickens. 15466
- PRINCE EDWARD ISLAND**
- Effect of soil treatments of heptachlor and parathion on predators and parasites of root maggots attacking rutabagas on Prince Edward Island. 15249
- PROMAZINE HYDROCHLORIDE**
- Tranquillizing horses with promazine hydrochloride. 15291
- PROPERTIES**
- Physicochemical properties of the infectious bursal agent (IBA). 15326
- PROTEINS**
- Changes in haemolymph lipoproteins during locust flight. 14914
- Protein and isozyme patterns of sweet potatoes as related to acquired immunity. 15650
- Some biochemical effects of alkylating agents. 15676
- PRUNING**
- Time of pruning and infection of peach trees by *Pseudomonas syringiae*. 15042
- PRUNUS**
- Physiological basis of gall formation in black-knot disease of Prunus. 15066
- Cross-transmission studies with citrus and prunus viruses. 15155
- Control of the eastern tent caterpillar, *Malacosoma americanum* (Fabricius), by distribution of spores of two species of *Clostridium*. 15226
- PSEDALETIA DNIPUNCTA**
- The epizootiology of virus diseases in field populations of the armyworm, *Pseudaletia dnipuncta* (Haworth). 14964
- PSEUDOCOWPOX**
- Bovine papular stomatitis, pseudo-cow-pox and milker's nodules. 15489
- PSEUDOMONAS**
- Time of pruning and infection of peach trees by *Pseudomonas syringiae*. 15042
- PSEUDOMONAS AERUGINOSA**
- The mechanisms of pathogenicity of *Pseudomonas aeruginosa* (Schroeter) Migula. i. The pathogenicity of strain N-06 for larvae of the greater wax moth, *Galleria mellonella* (Linnaeus). 14911
- PSEUDOMONAS PHASEOLICOLA**
- Analysis of proteins and enzymes of the interaction between *Phaseolus vulgaris* and *Pseudomonas phaseolicola* (halo blight of beans). 15642
- PSEUDOMONAS SESAMI**
- A second pathogenic race of *Pseudomonas sesami*. 15199
- PSEUDOMONAS SYRINGAE**
- Leaf spot of guar caused by *Pseudomonas syringae* in the United States. 15148
- PSEDDOPLA**
- Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160
- PSEDDOTSUGA**
- Effectiveness of various formulations of five insecticides on insects infesting douglas-fir logs. 15250

SUBJECT INDEX

PSEUDOTSUGA MENZIESII

PSEUDOTSUGA MENZIESII

A study of the flight of the Douglas-fir beetle
Dendroctonus pseudotsugae Hopk. (Coleoptera: Scolytidae)
III. Flight capacity.

14853

A nematode (Meloidodera sp) on Douglas-fir mycorrhizae.

15275

Determination of Zectran residues in aerial forest
spraying.

15576

PSOROPHORA COMPINNIS

Panel: opposing philosophies in mosquito control technology:
emphasis on control of adult mosquitoes in Florida.

14980

PSOROSIS (ORANGES)

Failure of psorosis virus to protect against citrus
variegation virus.

15028

PSYCHODIDAE

New technique for preparation and study of moth flies.

14908

PSYLLA PYRICOLA

A decline condition in pears induced by pear psylla.

15244

PUBLIC HEALTH

Rachel Carson influence gains momentum as book appears.

15549

Wanted' An image for an industry.

15668

PUCCINIA

The possible use of pine needles as spore traps.

15077

Technique for germinating uredospores of Puccinia strii-
formis.

15681

PULLORUM DISEASE

Report on the pullorum disease testing results for the 32nd
northeastern conference on avian diseases.

15312

Report of the Committee on Nomenclature and Reporting of
Disease, Northeastern Conference on Avian Disease,
June, 1962.

15340

Hatchery spread of pullorum disease through debeaking.

15389

PULMONARY ADENOMATOSIS

Pulmonary adenomatosis of sheep-metastasizing bronchiolar
tumors.

15347

PUPAE

Effect on adult emergence of whole and partial
X-irradiation of pupae of the housefly, Musca domestica
nebulosa.

14926

PURIFICATION

Purification of pea enation mosaic virus.

15067

PURINES

Quantitative studies on purine excretion in the greater wax
moth, Galleria mellonella.

14966

PYRALIDAE

A new genus and a new species of Pyraustinae
(Lepidoptera: Pyralidae).

14834

PYRAUSTA

Relative effectiveness of resistance of field corn to the
European corn borer, Pyrausta nubilalis, in crop protection
and in population control.

15229

PYRAUSTA NUBILALIS

Note: Elimination of microsporidiosis in laboratory-reared
European corn borers by the use of heat.

14939

PYRAUSTINAE

A new genus and a new species of Pyraustinae
(Lepidoptera: Pyralidae).

14834

PYRETHRUM

Studies on fine-particle, coarse-particle, and concentrated
aerosols.

14948

PYRILLA PERPUSILLA

Viability of the chalcid parasite Tetrastichus pyrillae
Crawford from the host Pyrilla perpusilla Walker egg.

14829

PYTHIUM

Potential pathogenicity of Pythium isolates from forest
nurseries.

15204

PYTHIUM ULTIMUM

Effect of carbon source and calcium on growth of Pythium
ultimum.

15638

QUATERNARY AMMONIUM COMPOUNDS

Use of chromatography for selecting systemic quaternary am-
monium fungicides.

15660

QUERCUS ELLIPSOIDALIS

Oligomycin treatments of oak wilt in northern pin oaks.

15154

QUINONES

Quinoid secretions in grain and flour beetles.

15531

RABBIT SEPTICEMIA

Lymphosarcoma in the rabbit. a case report and general
review.

15487

RABBITS

Experimentally induced bovine psoroptic acariasis in a
rabbit.

15407

Lymphosarcoma in the rabbit. a case report and general
review.

15487

Studies on infection and immunity with the lungworm, Uic-
tyocaulus viviparus (Bloch). I. active immunization of
guinea pigs and rabbits.

15488

RABIES

Isolation of Listeria monocytogenes from brains of rabies-
negative animals.

15438

RABIES VIRUS

Potency testing of low egg passage modified live-viruses rab-
ies vaccines.

15293

RACHEL CARSON

Rachel Carson influence gains momentum as book appears.

15549

RADAR

Radar observations of locust swarms.

14836

RAUATIUM

Exposure of house flies and oriental rat fleas on a high-
altitude balloon flight.

14962

Experimental hypopituitarism in swine: a stereotaxic method
of inducing the condition with beta irradiation.

15455

Light absorption by living mycelia of fungi before and after
exposure to near-ultraviolet radiation.

15633

RAUOACTIVE TRACERS

Distribution and fate of 4-C¹⁴ cholesterol in the adult
male American cockroach.

14896

Uptake of radioactive ethyl NN-UI-N-PROPYLTHIOCARBAMATE
(EPTC-35 S) and translocation of sulphur-35 in various
crops.

14992

Investigations on Unrsban insecticide. metabolism of
O,O-diethyl 0-3,5,6-trichloro-2-pyridyl phosphorothioate
and 3,5,6-trichloro-2-pyridinol in plants.

15582

RADIOELEMENTS

The measurement of bovine thyroid activity using low dosages
of radioactive iodine I131.

15297

RADISRES

Cercospora leaf spot-resistant radish greens.

15046

Bacterial black spot of radish.

15176

RAISINS

Food additives permitted in food for human consumption.
Ethion.

15595

RASPBERRIES

Reduction of post-harvest decay in raspberries with SO₂.

15523

SUBJECT INDEX

RING SPOT (PRUNUS)

- RATS**
A sensitive procedure for urinary p-nitrophenol determination as a measure of exposure to parathion. 15559
- RATTLE DISEASE (TOBACCO)**
Trichodorus christiei as a vector of potato corky ringspot (tobacco rattle) virus. 15273
- RAY SPECK (CHRYSANTHEMUM)**
Stemphylium ray speck of chrysanthemum. 15195
- RED CLOVER**
Crown and root rots of alfalfa and red clover and the relative prevalence of associated fungi. 15007
Bean yellow mosaic virus in detached leaves of red clover plants. 1503B
Genetics of resistance to Erysiphe polygoni in Trifolium pratense. 15193
- RED NODE (BEANS)**
Serological studies of red node and pod mottle viruses. 15174
- RED WATER DISEASE**
Epizootic hemorrhagic disease in white-tailed deer- characteristic of the South Dakota strain of virus. 15436
- REDPEPPERS (VEGETABLE)**
Effect of growth-regulating and other compounds on bacterial spot of pepper. 15219
- REDUCTASES**
Pyridine nucleotide-linked enzymatic reduction of triose, pentose, and hexose phosphates associated with rust infection. 15625
- REPORTS**
A preliminary report on a potential new mosquito control weapon. 14982
- REPRODUCTION**
A study of the capability of the rice weevils Sitophilus sasakii and S. oryzae to reproduce parthenogenetically. 14816
Histology of the reproductive tracts and transmission of sperm in the corn earworm, Heliothis zea. 14871
An evaluation of the rate of reproduction of the two-spotted spider mite reared on gibberellin-treated bean plants. 14876
Mating studies of the pink bollworm, Pectinophora gossypiella (Lepidoptera: Gelechiidae), based on presence of spermatophores. 14880
Mating frequency of female pink bollworms collected from light traps. 14884
The nervous system of certain abdominal segments and the innervation of the male reproductive system and genitalia of Hyalophora cecropia. (Lepidoptera: Saturniidae). 14907
Sterol storage and reproduction in the house fly. 14922
Sperm depletion in chemosterilized and normal males of the yellow fever mosquito, Aedes aegypti. 14972
Multiplication and movement of Wisconsin pea streak virus in pea. 1511B
- REPRODUCTIVE ORGANS**
Gametogenesis in the house fly, Musca domestica. 14879
- RESIDUES**
Safety and tissue residue evaluations in swine fed rations containing chlortetracycline, sulfamethazine, and penicillin. 15411
- RESPIRATORY DISEASES**
The isolation of infectious bovine rhinotracheitis virus from cattle affected with conjunctivitis-observations on the experimental infection. 15313
Isolation of an unidentified myxovirus from chickens with a respiratory disease. 15320
Isolation and properties of bovine herpesvirus from a calf with respiratory disease and keratoconjunctivitis. 15323
- RETICULUM**
Studies on reticulo-rumen sodium and potassium concentrations and electrical potentials in sheep. 15672
- RHIZOCTONIA**
Storage and germination of cuttings and soil microorganisms as they relate to the pineapple disease of sugar cane. 15016
Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160
Lesion maturation, fungal development, and distribution of endopolygalacturonase and cellulase in Rhizoctonia infected bean hypocotyl tissues. 15207
Formation of the basidial stage of some isolates of Rhizoctonia. 15648
- RHIZOCTONIA SOLANI**
Effect of pentachloronitrobenzene. 1517B
Nuclear condition and division in vegetative hyphae of Rhizoctonia solani. 15644
Pectin trans-eliminase and polygalacturonase production by Rhizoctonia solani and other fungi. 15645
- RHIZOSPHERE**
New medium for the isolation of Thielaviopsis basicola on dilution plates from soil and rhizosphere. 15150
- RHYNCOPHORUS**
On the life history and habits of the palm weevil, Rhynchophorus palmarum. 14820
- RYSSA PERSUASORIA**
Parasitism of Sirex noctilio F by Schlettererius cinctipes (Cresson) (Hymenoptera: Stephanidae). 14965
- RIBOFLAVIN**
Riboflavin-mediated photodecomposition of amitrole in relation to chlorosis. 15277
- RIBONUCLEIC ACID**
Effects of hormones and injury on RNA synthesis in saturniid moths. 14861
Nucleotide composition of RNA in healthy and mildew-infected leaves of harley. 15120
Base composition of soluble ribonucleic acid from Phytophthora infestans. 15149
- RICE**
Descriptions of larval and pupal stages of four lepidopterous rice borers in Malaysian Borneo (Sarawak). 14945
Preliminary report on the feeding pattern of two species of fish in a rice field habitat. 14988
Preliminary note on transmission of a virus disease resembling tungro of rice in India and other virus-like symptoms. 15159
Effect of sugarcane borer infestation on the yield and grade of corn. 15233
Notice of filing of petition regarding pesticides. 15597
- RICE STRAW**
Notice of filing of petition regarding pesticides. 15597
- RICKETTSIA**
Selective staining of Rickettsia ruminantium in tissue sections. 15510
- RINDERPEST VIRUS**
An indirect gel diffusion precipitation test for the detection of rinderpest antibody in convalescent cattle. 15492
- RING SPOT (FRUIT)**
Plant-to-plant transfer of stone fruit ringspot viruses in squash by pollination. 15035
- RING SPOT (PRUNUS)**
Effects of time and temperature on rate of graft transmission of the Prunus ringspot viruses. 15054

SUBJECT INDEX

RING SPOT (TOBACCO)

RING SPOT (TOBACCO)

Additional evidence on soil transmission of tobacco ringspot virus. 15076

Symptoms of tobacco ringspot virus on papaya. 15129

A difference in the translocability of two viruses in bean plants. 15170

RINGSPOOT (CABBAGE)

Immune response to a plant virus bound or serologically precipitated in agar. 14999

ROBINIA PSEUDOACACIA

Parasites and predators associated with five species of leaf-mining insects in black locust. 14814

RODOLIA

Interference with the biological control of cottony-cushion scale by insecticides and attempts to re-establish a favorable natural balance. 15224

RONNEL

Field tests with insecticides for control of lone star ticks on cattle. 15502

ROOT KNOT (COTTON)

Observations on cotton root-knot nematode in grain sorghum in west Texas. 15266

ROOT ROT

Crown and root rots of alfalfa and red clover and the relative prevalence of associated fungi. 15007

ROOT ROT (CITRUS)

Dry root rot of citrus induced by ammonia excreases. 14998

ROOT ROT (SAFFLOWER)

Influence of irrigation and soil infestation with strains of Phytophthora dreschleri on root rot resistance of safflower. 15222

ROOTS

Purification of viruses from pea roots. 15052

Fungi associated with Gladiolus roots under continuous cropping conditions. 15088

Peroxidases and their relation to vascular browning in banana roots. 15117

Transmission of apple mosaic and stem-pitting viruses through root grafts. 15126

The effect of corn root exudate on the growth of five fungi associated with corn roots. 15132

Use of polyethylene bags for corn root infection studies. 15133

Rates of phenolic synthesis in potato roots resistant and susceptible to Verticillium albo-atrum. 15654

ROT (LEMONS)

A new method of applying biphenyl for the control of citrus fruit rots. 15069

ROT (ORANGES)

A new method of applying biphenyl for the control of citrus fruit rots. 15069

ROUS SARCOMA VIRUS

Size, score and speed of development of tumors in chickens in response to subcutaneous inoculations with rous sarcoma virus. 15379

Some factors affecting Rous sarcoma virus activity in the embryonated egg inoculated by the yolk - sac route. 15420

RUMINANTS

Viral encephalomyelitis of equines and domestic ruminants in the Near East. I. 15350

Notice of filing of petition for food additive biuret. 15483

RUST (ASPARAGUS)

Control of asparagus rust with a mixture of maneb and nickel sulfate. 15109

RUST (BEANS)

An outbreak of broadbean diseases in Iran. 15091

Photosynthesis in healthy and rust-affected tissues. 15112

Temperature conversion of rust response of bean. 15167

Effect of removing the terminal bud of bean plants upon protein changes after infection by the bean rust fungus. 15192

Properties of purified acid phosphatases from healthy and rust-infected bean leaves. 15652

Respiration, photosynthesis, and dark fixation of C14O2 by healthy and rusted bean leaves. 15653

RUST (PINUS ELLIOTTII)

Resistance to fusiform rust in slash pine as shown by artificial inoculation. 15090

RUST (PINUS PONDEROSA)

Albino Peridermium harknessii in ponderosa pine. 15153

RUST (PINUS TAEDA)

Antibiotic treatment of young loblolly pines infected with fusiform rust. 15050

RUST (PINUS)

Pine cone rust in the highlands of Guatemala. 15169

RUST (WHEAT)

Photosynthesis in healthy and rust-affected tissues. 15112

Factors affecting field performance of nickel salt plus dithiocarbamate fungicide mixtures for the control of wheat rusts. 15201

Pyridine nucleotide-linked enzymatic reduction of triose, pentose, and hexose phosphates associated with rust infection. 15625

RUTABAGAS

Effect of soil treatments of heptachlor and parathion on predators and parasites of root maggots attacking rutabagas on Prince Edward Island. 15249

S-TRIAZINES

Infrared absorption spectra and polymeric structures of three S-Triazine herbicides and their metabolites. 15657

SACBROOD

Notes: Electron microscopic investigation of sacbrood of the honey bee. 14865

SACCHARIN

Effect of growth-regulating and other compounds on bacterial spot of pepper. 15219

SAINT LOUIS ENCEPHALITIS

St. Louis encephalitis vector studies in Houston, Texas. 14983

SALINE WATER

Insecticidal and naturalistic control chironomid larvae in Lake Dalwigk, Vallejo, California. 14919

SALIVA

The relation between the composition of parotid saliva and mixed saliva in sheep during the induction of sodium deficiency. 15659

SALMONELLA

Salmonella and Shigella infections in bats in selected areas of Colombia. 15316

The problem of Salmonella organisms in animal by-products and feeds. 15360

A survey to determine the salmonella contamination rate in livestock and poultry feeds. 15535

Destruction of Salmonella during slaughtering of swine; importance of scalding. 15536

Detection and identification of salmonella from dried whole egg, dried egg yolk, and dried egg white: report of a collaborative study. 15537

SUBJECT INDEX

SELENIUM

- SALMONELLA BACTERINS**
The emergence of resistant strains of *Salmonella typhimurium* in the tissues and alimentary tracts of chickens following the feeding of an antibiotic. 15370
- SALMONELLA TYPHIMURIIUM**
The effect of the use of antibacterial drugs, particularly as food additives, on the emergence of drug-resistant strains of bacteria in animals. 15467
- SALMONELLOSIS**
The problem of *Salmonella* organisms in animal by-products and feeds. 15360
- SALPINGITIS**
Escherichia coli serotypes isolated from salpingitis and chronic respiratory disease of poultry. 15373
- SAND**
Persistence of two systemic carbamate insecticides in three types of soils. 15541
- SANITATION**
Hatchery sanitation as a control measure for aspergillosis in fowl. 15496
Hatchery sanitation. 15497
Destruction of *Salmonella* during slaughtering of swine; importance of scalding. 15536
- SAP**
Some problems associated with weighing aphids that have fed after starving, as a method of measuring intake of plant sap. 14943
- SARCOMA**
An epizootic of histiocytic sarcomas in chickens induced by a cell-free agent. 15430
Study of chicken sarcoma (strain 13) by vent exposure. 15471
Study of chicken sarcoma (strain 13) placed in the bursa of Fabricius. 15472
Antibiotic streptogan and process for preparation. patent 3,334,015. 15671
- SARCOPHAGIDAE**
Rearing and biology of *Wohlfahrtia vigil* (Diptera: Sarcophagidae). 14875
- SATURNIIDAE**
Effects of hormones and injury on RNA synthesis in saturniid moths. 14861
- SCAB (CUCUMBERS)**
Anthracnose, scab, and soil rot of cucumbers. 15131
- SCAB (PECAN)**
An evaluation of certain fungicide - adjuvant combinations for control of pecan scab. 15012
- SCAB (PECANS)**
Organic fungicides for control of pecan scab. 15013
- SCABIES**
Experimentally induced bovine psoroptic acariasis in a rabbit. 15407
- SCENT GLANDS**
Chemical releases of social behavior-IV. The hindgut as the source of the odor trail pheromone in the neotropical army ant genus *Eciton*. 14807
- SCRISTOCERCA GREGARIA**
Radar observations of locust swarms. 14836
Metabolism of malathion in desert locust. 1. activation of malathion into an anticholinesterase. 14918
- SCRYZAPRIS**
Boll weevil survival in Carolinas higher than in 1961. 15231
- SCLEBOTIUM ROLFSSII**
Effects of plant-bed applications of 2,6-dichloro-4-nitro-aniline on control of sclerotial blight and on plant production in sweet potatoes. 15014
Seedling disease of wheat caused by *Sclerotium rolfsii*.
- SCOLOPENDRA AMAZONICA**
The skeleto-muscular mechanism of the so-called anal legs in the centipede *Scolopendra amazonica* (Scolopendridae). 14897
- SCOLYTIDAE**
Estimation of *Dendroctonus brevicornis* (Coleoptera: Scolytidae) mortality caused by insect predators. 14806
Observations on the effect of nematodes on *Ips confusus* (LeConte) and other bark beetles. 14928
- SCOLYTUS**
Nematode parasites and associates of the smaller European elm bark beetle, *Scolytus multistriatus* (Marshall). 14947
- SCOURS**
Pathogenesis and prevention of infectious diarrhea (scours) of newborn calves. 15452
- SEDIMENTATION**
Water pollution control and abatement. TD420.W45. 15548
- SEED GERMINATION**
The effect of storage molds on germination and vigor of canning peas. 15025
Effect of virus yellows on yield and quality of sugar beet seed. 15080
Technique for germinating uredospores of *Puccinia striiformis*. 15681
- SEED POTATOES**
Evidence of "running out" in non-certified potatoes used for seed. 15111
- SEED TREATMENT**
Seedling disease of wheat caused by *Sclerotium rolfsii*. 15098
Studies on the control of black rot of crucifers by treating seeds with antibiotics. 15100
Evaluation of seed treatment with 1,4-dichloro-2,5-dimethoxybenzene as a cotton seedling disease control measure. 15158
- SEED VIABILITY**
Effect of moisture content and length of storage period upon germination percentage of seeds of corn, wheat, and barley free of storage fungi. 15524
- SEED-BORNE PLANT DISEASES**
Maintaining virus-free cultivars of peach in Michigan. 15026
Seed transmission of bean mosaic viruses. 15130
A seed-borne bean virus of wide host range. 15185
- SEEDLINGS**
Variability of seedling clones of citron as indicators of exocortis virus of citrus. 14997
Some observations on the number of root lesion nematodes necessary to cause injury to seedling onions. 15048
Microorganisms on cucumber seedlings. 15107
Seasonal fluctuations in susceptibility of young elm seedlings to Dutch elm disease. 15187
- SEEDS**
Longevity of *Xanthomonas malvacearum* in dried cotton plants and its significance in dissemination of the pathogen on seed. 15202
Ingestion of *Asmi visnaga* seeds and photosensitization - The cause of vesicular dermatitis in fowls. 15478
- SELENIUM**
Sulfur-selenium-vitamin E interrelations in ovine nutrition. 15330
Pharmacology and toxicology of carbon tetrachloride in the sheep. IV. reduction and augmentation of toxicity to sheep. 15397

SUBJECT INDEX

SEMEN

SEMEN

Antibiotic mediums for the isolation of vibrios from bull semen. 15301

SENECIO JACOBIAE

Food-plant spectrum and elimination of disease of cinnabar moth larvae, *Hylocrita jacobaeae* (L.) (Lepidoptera: Arctiidae). 15276

SEROLOGICAL TESTS

Serology of the potato spindle tuber virus. 15009

Purification, serology, and properties of a new cowpea virus. 15103

Serological studies of red node and pod mottle viruses. 15174

Serological investigation in French cattle; research on hemagglutination inhibiting antibodies due to myxovirus parainfluenza-3. 15338

Serological studies of avian pleuropneumonia-like organisms (PPLO) with Edward's technique. 15362

SERUM

Antihist serum improves plant virus purification. 15062

Swine serum and CO₂ in the isolation of avian PPLO. 15364

The influence of terephthalic acid on oxytetracycline serum levels in chickens, Studies on mode of action, I. 15442

SERUM ALBUMIN

Enterotoxemia of sheep. II. distribution of I131 radioiodinated serum albumin in brains of *Clostridium perfringens* type E intoxicated lambs. 15376

SERUM NEUTRALIZATION TEST

Studies on avian encephalomyelitis. I The use of a serum-neutralization test in the detection of immunity levels. 15334

SESAMIA INFEBENS

Descriptions of larval and pupal stages of four lepidopterous rice borers in Malaysian Borneo (Sarawak). 14945

SEX

Effect of diet on aortic ruptures in turkeys induced by diethylstilbestrol. 15304

SEX ATTRACTANTS

Sex pheromones of noctuid moths. VIII. Orientation to light by pheromone-stimulated males of *Trichoplusia ni* (Lepidoptera: Noctuidae). 14881

Sex attractant of the black carpet beetle. 14954

SEX BEHAVIOR

Stimuli provided by courtship of male *Drosophila melanogaster*. 14859

Behaviour and random mating. 14931

SEX DETERMINATION

Sexing of Mexican fruit flies. 14946

SG 67

Control of the snake mite (*Ophionyssus natricis*), other mites, and certain insects with the sorptive dust, SG 67. 15507

SHALLOTS

Control of diseases of shallots. 15521

SHEEP

Sulfur-selenium-vitamin E interrelations in ovine nutrition. 15330

Pulmonary adenomatosis of sheep-metastasizing bronchiolar tumors. 15347

Enzootic nasal adenocarcinoma in sheep. 15357

Enterotoxemia of sheep. II. distribution of I131 radioiodinated serum albumin in brains of *Clostridium perfringens* type D intoxicated lambs. 15376

Enterotoxemia of sheep. I. Effects of *Clostridium perfringens* type D toxin on the brains of sheep and mice. 15377

Enterotoxemia of sheep. III. *Clostridium perfringens* type D antitoxin titers of normal, nonvaccinated lambs. 15378

In vitro degradation of oxalate and of cellulose by rumen ingesta from sheep fed halogeton glomeratus. 15390

Placental pathology of sheep with vibriosis. 15392

Pharmacology and toxicology of carbon tetrachloride in the sheep. iv. reduction and augmentation of toxicity to sheep. 15397

Polyarthritis in sheep. I. Description of the disease and experimental transmission. 15408

Polyarthritis in sheep. II. Characterization of the causative virus. 15409

Contribution to the study of ovine listeriosis and immunoprophylaxis against the disease in France. 15414

Immune response to sheep erythrocytes with cytoxan and hybaroxia. 15465

Immunisation of sheep with multi-component clostridial vaccines. 15469

Anthelmintic activity of an organic phosphate in cattle and sheep. 15515

Toxicologic effects of a phosphorothioic acid insecticide in sheep. 15609

The relation between the composition of parotid saliva and mixed saliva in sheep during the induction of sodium deficiency. 15659

Studies on reticulo-rumen sodium and potassium concentrations and electrical potentials in sheep. 15672

SBELLPISH

Simultaneous electron capture - microconometric detection for qualitative and quantitative pesticide analysis. (in: Gulf Coast Shellfish Sanitation Research Center. technical Memorandum (GCSSEC FY) 66 -2.). 15583

SHIPPING FEVER

Studies on shipping fever of cattle. II. Prevalence of *Pasteurella* species in nasal secretions from normal calves and calves with shipping fever. 15387

SIGATOKA (BANANAS)

Deposit rate and spray oil composition in relation to phytotoxicity and Sigatoka disease control on banana leaves. 15022

SILAGE

Determination of Niagara NIA-10242 and its phenol degradation product in corn silage and milk and determination of other carbamates by GLC of their thiophosphoryl derivatives. 15552

SILT

Sweetpotato soil, rot development in Olivier silt loam soil as affected by annual applications of lime or sulfur over a seven-year period. 15123

SIMAZINE

Phosphorus fertilization and the phytotoxicity of simazine. 15613

SIMULIIDAE

Feeding behavior and host preferences of some black flies (Diptera: Simuliidae) in Wisconsin. 14851

SINUSITIS

Egg transmission of infectious sinusitis in naturally infected turkeys. 15394

SIHIX NOCTILIO

Parasitism of *Sirex noctilio* F by *Schlettererius cinctipes* (Cresson) (Hymenoptera: Stephanidae). 14965

SITOWA CYLINDRICOLLIS

Preliminary laboratory tests utilizing *Beauveria bassiana* (Balsamo) Vuillemin on *Calomycter setarius* Roelofs. 15234

SUBJECT INDEX

SORGHUM

- SITOPHILUS**
A study of the capability of the rice weevils *Sitophilus sasakii* and *S. oryzae* to reproduce parthenogenetically. 14816
- SKIN**
Toxicity of topically applied fats and oils. 15520
- SLAUGHTERING**
Destruction of *Salmonella* during slaughtering of swine; importance of scalding. 15536
- SLUGS**
Transmission of downy mildew of lima beans by slugs. 15218
- SMUT (OATS)**
Identification and distribution of oat smuts of the South-eastern United States. 15114
- SNAKES**
Control of the snake mite (*Ophionyssus natricis*), other mites, and certain insects with the sorptive dust, SG 67. 15507
- SODIUM**
The relation between the composition of parotid saliva and mixed saliva in sheep during the induction of sodium deficiency. 15659
Studies on reticulo-rumen sodium and potassium concentrations and electrical potentials in sheep. 15672
- SODIUM ARSENITE**
Action and effectiveness of certain classes of herbicides. 15667
- SODIUM BICARBONATE**
Method for treating animals infested with pests of the phylum arthropoda. patent 3,367,831. 15508
- SODIUM CHLORIDE**
Physiological factors in the etiology and alleviation of salt-induced decline of roadside maples and pines. 15102
Salt injury to trees. 15626
- SODIUM CHLOROACETATE**
Biological decomposition of herbicides in soil. i. mono- and trichloroacetate and dichloropropionate. 15543
- SODIUM HEXADECYL SULFATE**
Method for treating animals infested with pests of the phylum arthropoda. patent 3,367,831. 15508
- SODIUM SALTS**
Food and food products. tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. 0-Phenylphenol and its sodium salt. 15593
- SOIL AIR**
A mechanism for continuous production of hydrogen sulfide in soils submerged in water. 15664
- SOIL BACTERIA**
The effect of chlorinated C3 hydrocarbons on growth and amino acid production of indigenous soil bacteria. 15000
- SOIL CHEMISTRY**
Factors affecting the vapor loss of EPTC from soils. 15662
A mechanism for continuous production of hydrogen sulfide in soils submerged in water. 15664
- SOIL CONTAMINATION**
The behavior of insecticides in forest soils. 15539
Persistence of two systemic carbamate insecticides in three types of soils. 15541
The behavior of DDT and Zectran on a forest soil. 15544
Methods for extracting insecticides from soil. 15545
- SOIL FUMIGATION**
An evaluation of two fungicides as soil treatments with and without herbicide for tomato fruit control. 15029
The efficacy of various fumigants in controlling Verticillium wilt in south-central Washington. 15184
- Soil fumigation by injection and irrigation for the control of nematodes on hops. 15261
- SOIL FUNGI**
Action of soil fungicides. IV. changes in the spectrum of soil fungi. V. sensitivity of soil organism in vitro. 15041
Influence of some representative herbicidal chemicals upon the growth of some soil fungi. 15134
New medium for the isolation of *Thielaviopsis basicola* on dilution plates from soil and rhizosphere. 15150
Eradication of soil fungi by a combination of crop residue, flooding, and anaerobic fermentation. 15213
- SOIL INSECTS**
Soil fauna research in the forest of Manres (Var). the dale of Fournel (Coleoptera). 14822
- SOIL MICROORGANISMS**
Storage and germination of cuttings and soil microorganisms as they relate to the pineapple disease of sugar cane. 15016
Biological decomposition of herbicides in soil. i. mono- and trichloroacetate and dichloropropionate. 15543
- SOIL MOISTURE**
Influence of nutrition, PH, soil temperature, and soil moisture on Phythium blight of highland bentgrass. 15139
- SOIL TEMPERATURE**
Influence of nutrition, PH, soil temperature, and soil moisture on Phythium blight of highland bentgrass. 15139
- SOIL TREATMENT**
An evaluation of two fungicides as soil treatments with and without herbicide for tomato fruit control. 15029
- SOIL TREATMENTS**
Soil treatments with broadcast or hand applications of organophosphorous or carbamate insecticides for prevention of wireworm damage to potatoes. 15227
Effect of soil treatments of heptachlor and parathion on predators and parasites of root maggots attacking rutabagas on Prince Edward Island. 15249
- SOILS**
Preliminary study on some of the factors affecting control of western corn rootworm larvae with soil insecticides. 15246
Influence of oxygen supply on survival of plant parasitic nematodes in soil. 15272
Degradation of carbamate herbicides in soil. 15567
Loss of chlorinated hydrocarbon insecticides from soil surface in the field. 15573
Factors affecting the vapor loss of EPTC from soils. 15662
Movement of nonvolatile, diffusible fungicides through columns of soil. 15669
A vapor trapping apparatus for determining the loss of EPTC and other herbicides from soils. 15684
- SOLENOPSIS**
Infestation of the imported fire ant, *Solenopsis saevissima* v. *richteri*, at Fort Benning, Georgia. 14981
- SOLVENTS**
Pesticides' nonsung assistants. 15663
- SOOTY BLOTCH (APPLES)**
Spray programs and the control of sooty blotch of apples. 15031
- SORGHUM**
Effect of sugarcane borer infestation on the yield and grade of corn. 15233
Observations on cotton root-knot nematode in grain sorghum in west Texas. 15266
Dicamba and its metabolite. notice of establishment of temporary tolerance. 15591

SUBJECT INDEX

SOUTH AMERICA

SOUTH AMERICA

Japygidae of South America. 4' The genus Austrjapyx and descriptions of new species. 14843

SOUTHERN ELIGHT (TOMATOES)

Calcium nitrate for field control of tomato southern blight in South Carolina. 15183

SOYBEANS

Control of brown stem rot of soybeans with corn-soybean rotations. 15045

Effect of s-triazine and phenylurea herbicides on soil fungi in corn- and soybean-cropped soil. 15093

Variety of soybean insects are active in several states. 15232

Determination of linuron and its known and/or suspected metabolites in crop materials. 15566

Effects of chlorophenoxy herbicides on soybeans. 15646

SPECTROMETRY

Selective residue determination of sulfur-, halogen-, and phosphorus-containing pesticides by helium-plasma emission spectrometry. 15656

SPECTROPHOTOFLOUROMETRY

The spectrophotofluorometric determination of buguinate in poultry tissue and eggs. 15511

SPECTROPHOTOMETRY

Infrared identification of chlorinated insecticides in the tissues of poisoned fish. 15553

Analysis of Durshan in livestock dips and sprays. 15658

SPECTROSCOPY

Determination of DOT and related substances in human fat. 15569

SPERMATOGENESIS

The effects of exogenous testosterone on spermatogenesis of bulls. 15300

SPERMATOPHYTES

Mating studies of the pink bollworm, *Pectinophora gossypiella* (Lepidoptera: Gelechiidae), based on presence of spermatophores. 14880

SPERMATOZOA

Sperm depletion in chemosterilized and normal males of the yellow fever mosquito, *Aedes aegypti*. 14972

SPHAEROTHECA PANNOSA

The orchard development of peach powdery mildew. 15216

SPHECIDAE

Hymenoptera from Turkey Sphecidae, i. 14805

SPIDERS

Spiders of the Arkansas cotton field. 14815

Life histories and habits of two species of *Philodromus* (Araneida: Thomisidae) in Ontario. 14936

SPINAL CORD

Post-tetanic potentiation in spinal cord of normal and myoclonic pigs. 15306

SPINDLE TUBER (POTATOES)

Serology of the potato spindle tuber virus. 15009

Symptomless hosts of the potato spindle tuber virus. 15146

SPINE

Post-tetanic potentiation in spinal cord of normal and myoclonic pigs. 15306

SPODOPTERA

Variety of soybean insects are active in several states. 15232

SPOBULATION

Sporulation of *Phytophthora phaseoli*. 15086

SPRAYING

The influence of spray programs on the fauna of apple orchards in Nova Scotia. XII. Second supplement to VII. Effects on beneficial arthropods. 14912

Analysis of Durshan in livestock dips and sprays. 15658

Action and effectiveness of certain classes of herbicides. 15667

SPRAYING EQUIPMENT

A small self-propelled sprayer for agricultural research. 15683

SPRING BLACK STEM (ALPALPA)

Association of polygalacturonate trans-eliminase with southern anthracnose but not with spring black stem or *Stemphylium* leaf spot of alfalfa. 15624

SPRING DEAD SPOT (CYNODON DACTYLOM)

Results of chemical drenches in the control of spring dead spot of bermuda grass. 15212

SQUASH

Plant-to-plant transfer of stone fruit ringspot virus in squash by pollination. 15035

Control of the pickleworm on cucurbits. 15228

STAINING

Methods for staining capsular virus inclusion bodies typical of granuloses of insects. 14894

Improved staining method for leucocyte count of poultry. 15444

Note on staining as an aid in counting vinegar eelworms in vinegar. 15534

STALK ROT (CORN)

Comparison pathogenicity studies of fungi associated with corn stalk rot. 15152

STANDARDIZATION

Standardization of *Bacillus thuringiensis* products. homology of standard. 15696

STAPHYLOCOCCUS AUREUS

The effect of the use of antibacterial drugs, particularly as food additives, on the emergence of drug-resistant strains of bacteria in animals. 15467

STARVATION

Some problems associated with weighing aphids that have fed after starving, as a method of measuring intake of plant sap. 14943

STATOLON

Virus-like particles of a fraction of a statolon, a mould product. 15617

STEM END RUSSET (APPLES)

Occurrence and amount of stem cavity russet on golden delicious apples. 15015

STEM ROT (PEAS)

Rhizoctonia tip blight and stem rot of pea. 15049

STEM RUST (WHEAT)

Effect of variations in temperature on the reaction of temperature-sensitive wheat varieties to wheat stem rust. 15019

STEMPHYLIUM

Stemphylium leaf spot of parsley. 15108

Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity. 15160

Stemphylium ray speck of chrysanthemum. 15195

STEREOTROPISM

Experimental hypopituitarism in swine: a stereotaxic method of inducing the condition with beta irradiation. 15455

STERILITY

Dispersal and migration of tepa-sterilized Mexican fruit flies. 14842

Phenotypic restoration of fertility in a

SUBJECT INDEX

SURFACE-ACTIVE AGENTS

- male-sterile mutant by treatment with gibberellic acid. 15629
- STERILIZATION**
Sexual sterilization of screw-worm flies by N,N'-tetraamethylenebis(1-aziridinecarboxamide): influence of route of administration. 15501
- Chemical structure and sterilizing activity of N,N'-alkylenebis-(1-aziridinecarboxamides) in screw-worm flies. 15605
- STEROIDS**
Steroid alkaloids in the disease resistance of white potato tubers. 14995
- STEROLS**
Sterol storage and reproduction in the house fly. 14922
- STERRHINAE**
Guide to the Geometridae of Canada (Lepidoptera). I. subfamily Sterrhinae. 14831
- STICTOCEPHALA**
A clarification of certain structures in the thoracic region of Oxyrhachis (Homoptera: Membracidae). 14821
- STORAGE**
Influence of pre-storage treatments on the mortality of the San Jose scale (Homoptera: Diaspididae) on apples held in storage. 15532
- Mortality of the San Jose scale (Homoptera: Diaspididae) on stored apples of different varieties and harvest dates. 15533
- STORAGE DISEASES**
The effect of storage molds on germination and vigor of canning peas. 15025
- Polyethylene liners and fungicides for peaches and nectarines. 15526
- STORAGE INJURIES**
Bruising as a predisposing factor in the decay of stored cranberries. 15064
- Comparison of field corn varieties for resistance to corn earworm and stored grain insect injury in the Everglades. 15530
- STRAWBERRIES**
Pathogen variability and breeding Verticillium wilt resistant strawberries. 15018
- Studies on the isolation of the strawberry leaf scorch pathogen Diplacon earliana. 15173
- STREAK (PEAS)**
Multiplication and movement of Wisconsin pea streak virus in pea. 15118
- STREPTOCOCCUS**
Microorganisms from the mid-gut of the larva of Tenebrio obscurus Fabricius. 14924
- STREPTOGAN**
Antibiotic streptogan and process for preparation. patent 3,334,015. 15671
- STREPTOMYCES IPCHOEA**
Sweetpotato soil, rot development in Olivier silt loam soil as affected by annual applications of lime or sulfur over a seven-year period. 15123
- STREPTOMYCES STREPTOGANENSIS**
Antibiotic streptogan and process for preparation. patent 3,334,015. 15671
- STREPTOMYCIN**
Treatment of diarrhoea in dogs. 15380
- STRESS**
The influence of physical stress on growth and nuclear polyhedrosis of Trichoplusia ni (Huebner). 15242
- STRIDULATION**
Sound production by the cereal leaf beetle. 14958
- STRONGYLOSIS**
Survey on the helminths of dromedary in Chad, with special reference to gastro-intestinal strongylosis and haemonchosis (Haemonchus longistipes). 15514
- STUNT (PEANUTS)**
Peanut stunt disease survey in Virginia, 1966. 15124
- SUCCINIC ACID, 2,2-DIMETHYLBIDRAZIDE**
Effect of growth-regulating and other compounds on bacterial spot of pepper. 15219
- SUCROSE**
Methods for studying aggregation and feeding behavior of the confused flour beetle, Tribolium confusum (Coleoptera: Tenebrionidae). 14910
- In vitro increase in virus infectivity. ii. 15221
- SUDAN**
Record of two Longidorus species from Sudan. 15274
- SUGAR**
The amino acid and sugar compositions of healthy and an-tibacrose-infected watermelons. 15125
- SUGAR BEETS**
Effect of virus yellows on yield and quality of sugar beet seed. 15080
- In vitro increase in virus infectivity. ii. 15221
- Notice of filing of petition regarding pesticides. 15586
- SUGARCANE**
Storage and germination of cuttings and soil microorganisms as they relate to the pineapple disease of sugar cane. 15016
- Effect of sugarcane borer infestation on the yield and grade of corn. 15233
- SULFAMETHAZINE**
Safety and tissue residue evaluations in swine fed rations containing chlortetracycline, sulfamethazine, and penicillin. 15411
- Cellular response to endogenous stages of Coccidia in cattle, with observations of the influence of chemicals upon the host-parasite relationship. 15509
- SULFITES**
Characterization of the plant damage problem by air pollutants in New Jersey. 15538
- SULFONAMIDES**
Sensitivity spectrum of Bacillus thuringiensis var. thuringiensis Berliner to antibiotics, sulfonamides, and other substances. 14895
- SULFUR**
Sweetpotato soil, rot development in Olivier silt loam soil as affected by annual applications of lime or sulfur over a seven-year period. 15123
- Sulfur-selenium-vitamin E interrelations in ovine nutrition. 15330
- SULFUR DIOXIDE**
Reduction of post-harvest decay in raspberries with SO₂. 15523
- Effect of storage environment on quality of table grapes and on requirements of sulfur dioxide fumigation program. 15527
- Characterization of the plant damage problem by air pollutants in New Jersey. 15538
- SULFUR ISOTOPES**
Uptake of radioactive ethyl NN-DI-N-PROPYLTHIOCARBAMATE (EPTC-35 S) and translocation of sulphur-35 in various crops. 14992
- SURFACE-ACTIVE AGENTS**
Biological activity of surfactants and some chemical intermediates against pre-imaginal mosquitoes. 14979
- Effects of surfactants on fungi. 15647

SUBJECT INDEX

SURVEYS

SURVEYS

A survey to determine the salmonella contamination rate in livestock and poultry feeds. 15535

SWAMPS

A new disease of swamp tupelo. 15271

SWEETPOTATOES

Effects of plant-bed applications of 2,6-dichloro-4-nitro-aniline on control of sclerotial blight and on plant production in sweet potatoes. 15014

Peroxidase activity in virus-infected sweet potatoes. 15113

Sweetpotato soil, rot development in Olivier silt loam soil as affected by annual applications of lime or sulfur over a seven-year period. 15123

Elimination of root-knot nematodes from infested sweetpotato roots and plants. 15262

Protein and isozyme patterns of sweet potatoes as related to acquired immunity. 15650

SWINE

Post-tetanic potentiation in spinal cord of normal and myoclonic pigs. 15306

Studies on hemolytic *Escherichia coli* associated with edema disease of swine. I. Separation and properties of a toxin of hemolytic *Escherichia coli*. 15351

Swine serum and CO₂ in the isolation of avian PPLO. 15364

High mortality in Florida swine herd infected with the encephalomyocarditis virus. an accompanying epizootologic survey. 15369

Studies on the enteroviruses of the pig-IV. the isolation in tissue culture of a possible enteric cytopathogenic swine orphan (ECHO) virus (V13) from the feces of a pig. 15399

Pigweed (*Amaranthus retroflexus*). an oxalate-containing plant. 15404

Safety and tissue residue evaluations in swine fed rations containing chlortetracycline, sulfamethazine, and penicillin. 15411

Synthesis and cytopathogenesis of African swine fever virus in porcine cell cultures. 15416

Experimental inactivated-virus hog cholera vaccines: induction period of immunity. 15435

Cytogenetic alterations in swine kidney cells persistently infected with hog cholera virus and propagated with and without antiserum in the medium. 15437

Experimental hypopituitarism in swine: a stereotaxic method of inducing the condition with beta irradiation. 15455

Toxocara lesions stimulate those of *Ascaris suum*. 15456

Site or localization and effects of swine nasal virus in experimental pigs. 15474

Factors producing embryonic and fetal abnormalities, death, and abortion in swine. excerpts from the Symposium on Factors Producing Embryonic and Fetal Abnormalities, Death, and Abortion in Swine, sponsored by the National Academy of Science, U.S. livestock Sanitary Association, and Agricultural research service, U.S. department of agriculture. october 2-3, 1967, Chicago, Illinois. 15485

Destruction of Salmonella during slaughtering of swine; importance of scalding. 15536

Correlation of the effects of parathion on erythrocyte cholinesterase with symptomatology in pigs. 15574

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. food additives permitted in food for human consumption. thiabendazole. 15596

Acute lead poisoning in swine. 15604

SYMPOSIA

Factors producing embryonic and fetal abnormalities, death, and abortion in swine. excerpts from the Symposium on Factors Producing Embryonic and Fetal Abnormalities, Death, and Abortion in Swine, sponsored by the National Academy of Science, U.S. livestock Sanitary Association, and Agricultural research service, U.S. department of agriculture. october 2-3, 1967, Chicago, Illinois. 15485

SYNERGISM

Coexistence of infectious bronchitis and infectious laryngotracheitis. 15451

SYNOVITIS

Aureomycin chlortetracycline as a preventive for experimental synovitis in chickens. 15466

SYRPHUS

Biology of the black cherry aphid in the Willamette Valley, Oregon. 15238

SYSTEMIC INSECTICIDES

Distribution of bidrin in the foliage of treated trees. 15230

Persistence of two systemic carbamate insecticides in three types of soils. 15541

Late-season control of European elm scale with bidrin trunk injections. 15612

T, 2,4,5-

Microcoulometric gas chromatography analysis of selected herbicides in water. 15540

TACHINIDAE

Some difficult to distinguish species of the genus *Hyperecteis* Schiner (Diptera, Larvaevoridae). 14808

TAENIA HYDATIGENA

Chemical ovicidal measures as applied to *Taenia hydatigena*, *Taenia ovis*, *Taenia pisiformis*, and *Echinococcus granulosus*. 15516

TAENIA OVIS

Chemical ovicidal measures as applied to *Taenia hydatigena*, *Taenia ovis*, *Taenia pisiformis*, and *Echinococcus granulosus*. 15516

TAENIA PISIFORMIS

Chemical ovicidal measures as applied to *Taenia hydatigena*, *Taenia ovis*, *Taenia pisiformis*, and *Echinococcus granulosus*. 15516

TDE

Metabolism of DDT and some other chlorinated organic compounds by *Aerobacter aerogenes*. 15571

Acetonitrile dilution: a possible source of error in the "rapid method for chlorinated pesticide residues in nonfatty foods". 15577

Effects of isomers of DDD on thyroid and adrenal function in rats. 15607

DDT and related compounds in dog food and CSMA media used in insect rearing. 15611

TEA

Food additives permitted in food for human consumption. 1,1-Bis(p-chlorophenyl)-2,2,2-trichloroethanol. 15594

Food additives permitted in food for human consumption. Ethion. 15595

TECTONA GRANDIS

Field observations on root rot of teak in Tanzania. 15081

TEMPERATURE

Exposure of house flies and oriental rat fleas on a high-altitude balloon flight. 14962

Effect of variations in temperature on the reaction of temperature-sensitive wheat varieties to wheat stem rust. 15019

Effects of light, temperature, and fertilizer on infection of wheat leaves by *Septoria tritici*. 15047

Effect of incubation temperature on length and infectivity

SUBJECT INDEX

TOBACCO

- of potato virus X particles in four host species. 15068
- Severity and distribution of cotton boll rot as related to temperature. 15070
- The biology and ecology of *Dendroctonus valens* Flec., and the biology, ecology, and control of *Dendroctonus frontalis* (Mexicans) Zies in central Mexico (Coleoptera: Scolytidae). 15165
- Temperature conversion of rust response of bean. 15167
- TENEBRIO**
Energy sources during embryogenesis of the yellow mealworm, *Tenebrio molitor*. 14938
- TENEBRIO OBSCURUS**
Microorganisms from the mid-gut of the larva of *Tenebrio obscurus* Fabricius. 14924
- TENEBRIONIDAE**
Nutritional pest control: The 'self-protection' of foodstuffs against *Tribolium confusum* (Coleoptera: Tenebrionidae) often presumably through nutritional factors. 14824
- Quinoid secretions in grain and flour beetles. 15531
- TEPA**
Dispersal and migration of tepa-sterilized Mexican fruit flies. 14842
- TETANUS**
Post-tetanic potentiation in spinal cord of normal and myoclonic figs. 15306
- TETRACYCLINE**
The effect of the use of antibacterial drugs, particularly as food additives, on the emergence of drug-resistant strains of bacteria in animals. 15467
- TETRADECADIENOIC ACID, TRANS-3,CIS-5-**
Sex attractant of the black carpet beetle. 14954
- TETRADIFOPH**
Three plans for using acaricides to control mites on apple. 15223
- TETRANYCHIDAE**
Fine structure of the integument of the two-spotted spider mite, *Tetranychus telarius* (Acarina: Tetranychidae). 14849
- TETRANYCHUS**
An evaluation of the rate of reproduction of the two-spotted spider mite reared on gibberellin-treated bean plants. 14876
- TETRASTICHUS PYRILLAE**
Viability of the chalcid parasite *Tetrastichus pyrrillae* Crawford from the host *Pyrrilla perpusilla* Walker egg. 14829
- TETTIGONIIDAE**
Tegminal amplifiers and spectrum consistencies in *Conocephalus nigropleurum* (Bruner), Tettigoniidae. 14925
- TEXAS**
Observations on cotton root-knot nematode in grain sorghum in west Texas. 15266
- THERAPEUTICS**
Avian infectious hepatitis III. Treatment of chickens in egg production. 15462
- THERIOAPHIS**
Rearing of three spotted alfalfa aphid *Myndus persicae* sites for mass release. 14878
- Spotted alfalfa aphid spreads. 15236
- THERMOSTATS**
A constant temperature bath for pot-grown plants. 15688
- THIAZENDAZOLE**
Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Food additives permitted in food for human consumption. thiazendazole. 15596
- THIAZOLYLPHENYLIMIDAZOLES, 2-**
Tifungal compositions and methods for their use. patent 3,370,957. 15675
- THIELAVIOPSIS BASICOLA**
New medium for the isolation of *Thielaviopsis basicola* on dilution plates from soil and rhizosphere. 15150
- THINNING (TREES)**
Bark beetle mortality in precommercial herbicide thinnings of western hemlock. 15245
- THRIRAM**
Action of soil fungicides. IV. changes in the spectrum of soil fungi. V. sensitivity of soil organisms in vitro. 15041
- THOMISIDAE**
Life histories and habits of two species of *Philodromus* (Araneida: Thomisidae) in Ontario. 14936
- THORAX**
A clarification of certain structures in the thoracic region of *Oxyrhachis* (Homoptera: Membracidae). 14821
- THURICIDE**
Dust containing *Bacillus thuringiensis* for control of chicken body, shaft, and wing lice. 15504
- Standardization of *Bacillus thuringiensis* products. homology of standard. 15696
- THYMIDINE**
Effect of interferon on early enzyme and viral DNA synthesis in vaccinia virus infection. 15401
- THYROID GLAND**
The measurement of bovine thyroid activity using low dosages of radioactive iodine I131. 15297
- TIMBER**
Timber pests and diseases. 1st ed. TA422. P5. 15529
- TIP BLIGHT (PEAS)**
Rhizoctonia tip blight and stem rot of pea. 15049
- TISSUE CULTURE**
Tissue culture propagation and pathology of a CELV virus. 15339
- Cytologic changes induced by infectious canine hepatitis virus in tissue culture. 15443
- Electron microscopy of infectious canine hepatitis virus grown in cultures of canine kidney cells. 15475
- The cultivation and modification of the avian infectious synovitis agent in tissue culture. 15493
- TISSUES**
Evidence for functional cytochrome oxidase in tissues infected by obligate parasites. 15033
- Lesion maturation, fungal development, and distribution of endopolygalacturonase and cellulase in *Rhizoctonia* infected bean hypocotyl tissues. 15207
- Safety and tissue residue evaluations in swine fed rations containing chlortetracycline, sulfamethazine, and penicillin. 15411
- Note on identification of azinphosmethyl in human tissues. and in figs. 15579
- TOBACCO**
Control of tobacco fleck by dusting with Zineb. 15003
- The interaction of potato viruses X and Y in inoculated tobacco leaves at various temperatures. 15051
- Heat-induced susceptibility of tobacco to *Tobamovirus* mosaic virus. 15110
- The influence of reducing substances on resistance to bacterial wilt of tobacco. 15119
- Uridine-H3 incorporation in tobacco infected by tobacco mosaic virus. 15190
- Tobacco fleck controlled with antiozonants. 15196

SUBJECT INDEX

TOCOPHEOLS

TOCOPHEOLS

Pharmacology and toxicology of carbon tetrachloride in the sheep. IV. Reduction and augmentation of toxicity to sheep. 15397

TCHATOES

The effect of growth substances on *Verticillium* wilt of. 15181
Transmission of tobacco mosaic virus in tomato seed. 15198
Residue studies of tomato foliage and fruits from plants receiving FEBC- 14 pre-or post-emergence. 15560
Inhibition of plant growth by halogenated benzoic acids. 15628
Effect of certain fungi on the growth of dwarf tomatoes in gnotobiotic conditions. 15634
A constant temperature bath for pot-grown plants. 15688

TOMSILS

The isolation of viruses from the cecal tonsils of chickens and turkeys. 15405

TOXIAPRENE

Field tests with insecticides for control of lone star ticks on cattle. 15502
Pesticides' unsung assistants. 15663

TOXICITY

Biological activity of surfactants and some chemical intermediates against pre-imaginal mosquitoes. 14979
Factors in the production and stimulation of some antibiotics of fungal origin inhibiting the growth of pathogenic fungi. 15140
Experimental photosensitization by spring parsley (*Cymopterus watsonii*) in chicks. 15494
The toxicity of aminotriazole to domestic animals. 15608
Toxicologic effects of a phosphorothioic acid insecticide in sheep. 15609
Toxicologic effects of a phosphorothioic acid insecticide in cattle. 15610

TOXICOLOGY

La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. s8951.15. 14906
Simple screening test for systemic aphicides. 14921
Viscosity of naphthenic and paraffinic spray oils in relation to phytotoxicity and Sigatoka disease control on banana leaves. 15023
Pharmacology and toxicology of carbon tetrachloride in the sheep. IV. reduction and augmentation of toxicity to sheep. 15397
Toxicity of topically applied fats and oils. 15520
Variations in toxicity to bluegill sunfish of phenoxy herbicides. 15542
Correlation of the effects of parathion on erythrocyte cholinesterase with symptomatology in pigs. 15574
Chemical structure and sterilizing activity of N,NO-alkylenebis-(1-aziridinecarboxamides) in screw-worm flies. 15605
Action and effectiveness of certain classes of herbicides. 15667

TOXINS

Studies on hemolytic *Escherichia coli* associated with edema disease of swine. I. Separation and properties of a toxin of hemolytic *Escherichia coli*. 15351
Enterotoxemia of sheep. I. Effects of *Clostridium perfringens* type D toxin on the brains of sheep and mice. 15377
Enterotoxemia of sheep. III. *Clostridium perfringens* type D antitoxin titers of normal, nonvaccinated lambs. 15378

Viruses, serums, toxins, and analagous products. notice of extension of time to submit written data, views, or arguments. 15481

TOXOCARA

Toxocara lesions stimulate those of *Ascaris suum*. 15456

TRACTORS

Shift to chemical weed control hastens change from mules to tractors. 15278

TRAPS

The possible use of pine needles as spore traps. 15077

TREE DISEASES

Longevity of the fire blight organism, *Erwinia amylovora* on pear trees in the greenhouse as demonstrated by infection after sandblast injury. 14901
Principal diseases affecting *Pinus radiata* in Chile. 15008
Antibiotic treatment of young loblolly pines infected with fusiform rust. 15050
Field observations on root rot of teak in Tanzania. 15081
Albino *Peridermium barknessii* in ponderosa pine. 15153
Oligomycin treatments of oak wilt in northern pin oaks. 15154

Appraisal of biological control of *Arceuthobium campylopodum* F. *campylopodum* by *Colletotrichum gloeosporioides*. 15283

TREE INJURIES

Salt injury to trees. 15626

TREE PATHOLOGY

Host-parasite relationships of garden balsam and some nematodes. 15265

TREES

Distribution of hidrin in the foliage of treated trees. 15230

TRIAEURODES

The coexistence of insect parasites and hosts in laboratory ecosystems. 14801

TRIOLIUM

Fumigant toxicity of 1,2,3-tribromopropene, ethyleneimine, crotyl bromide and carbon tetrachloride to stored-product insects. 14888

Methods for studying aggregation and feeding behavior of the confused flour beetle, *Triolium confusum* (Coleoptera: Tenebrionidae). 14910

TRIRHOMOPROPENE, 1,2,3-

Fumigant toxicity of 1,2,3-trihomopropene, ethyleneimine, crotyl bromide and carbon tetrachloride to stored-product insects. 14888

TRICHIOCAMPUS IRREGULARIS

Adaption of a nuclear-polyhedrosis virus of *Trichiocampus viminalis* (Fallen) to larvae of *Trichiocampus irregularis* (Dyar). 14956

TRICHLORFON

A photoperiodic effect on the daily susceptibility of the house fly to trichlorfon. 14877

Field tests with insecticides for control of lone star ticks on cattle. 15502

TRICHLORO-2-PYRIDINOL, 3,5,6-

Investigations on Dursban insecticide. metabolism of 0,0-diethyl 0-3,5,6-trichloro-2-pyridyl phosphorothioate and 3,5,6-trichloro-2-pyridinol in plants. 15582

TRICHLOROACETATE

Biological decomposition of herbicides in soil. i. mono- and trichloroacetate and dichloropropionate. 15543

TRICHLOROBENZOIC ACID, 2,3,6-

Action and effectiveness of certain classes of herbicides. 15667

SUBJECT INDEX

VEGETABLES

- TRICHLOROPHENYLACETIC ACID, 2,3,6-, GLYCOL ESTERS**
Herbicidal method utilizing glycol esters of 2,3,6-trichlorophenylacetic acid as herbicides. patent 3,325,273. 15670
- TRICHODEMA**
The effect of corn root exudate on the growth of five fungi associated with corn roots. 15132
- TRICHOPLUSIA**
Sex pheromones of noctuid moths. VIII. Orientation to light by pheromone-stimulated males of *Trichoplusia ni* (Lepidoptera: Noctuidae). 14881
Larval feeding behavior of the cabbage looper, *Trichoplusia ni*. 14886
Seasonal shifts in the relative resistance to insect attack of eight commercial cabbage varieties. 15285
- TRICHOSTRONGYLUS AXEI**
Survival of infective larvae of the cattle nematodes, *Cooperia punctata*, *Trichostrongylus axei*, and *Oesophagostomum radiatum*. 15519
- TRIMETHOZYM BENZOIC ACID, 2,3,5-**
Inhibition of plant growth by halogenated benzoic acids. 15628
- TRISTEZA (CITRUS)**
Tristeza virus in Arizona citrus. 14996
Failure of psorosis virus to protect against citrus variegation virus. 15028
- TRYPOBYZA INCERTULAS**
Descriptions of larval and pupal stages of four lepidopterous rice borers in Malaysian Borneo (Sarawak). 14945
- TSUGA**
Bark beetle mortality in precommercial herbicide thinnings of western hemlock. 15245
- TURKEY EGGS**
Egg transmission of infectious sinusitis in naturally infected turkeys. 15394
- TURKEYS**
Effect of diet on aortic ruptures in turkeys induced by diethylstilbestrol. 15304
Treatment of experimental infectious sinusitis of turkeys with erythromycin. 15322
The histopathologic characteristics of diseases producing inflammation of the air sacs in turkeys—a comparative study. 15324
The isolation and propagation of a naturally occurring turkey lymphoid tumor by cellular transplants. 15325
Studies on pasteurellosis. III. Control of experimental fowl cholera in chickens and turkeys with an emulsified killed vaccine. 15382
Egg transmission of infectious sinusitis in naturally infected turkeys. 15394
An unusual aspect of *Pasteurella pseudotuberculosis* in turkeys. 15395
The isolation of viruses from the cecal tonsils of chickens and turkeys. 15405
Virus hepatitis in turkeys. 15412
Factors affecting the production and detection of ornithosis antibodies in infected turkeys. 15425
- TOTOVII-3**
Pigment-producing variants of *Bacillus thuringiensis* Berliner from the silkworm. 14953
- ULCERATIVE ENTERITIS**
Further studies on the causative organism of ulcerative enteritis. 15429
- ULMUS**
Effect of Dutch elm disease on seedling elms. 15004
Seasonal fluctuations in susceptibility of young elm seedlings to Dutch elm disease. 15187
- ULTRAVIOLET RAYS**
Analysis of Dursban in livestock dips and sprays. 15658
- UNITED STATES**
Pathogenicity of isolates of the bean wilt *Fusarium* from England and the United States. 15006
Index to genera of pathogens listed in the "Index of Plant Diseases in the United States. 1. 15073
Spotted alfalfa aphid spreads. 15236
- UREA**
Effect of urea on the formation of parasporal inclusions in species and varieties of *Bacillus cereus* group. 14957
Colonization of shortleaf pine stumps. 14990
- UREDINALES**
Respiratory changes during development of rust diseases. 15034
- UREDOSPORES**
Technique for germinating uredospores of *Puccinia striiformis*. 15681
- URINE**
DDT in humans and animals; determination of DDA in urine using an ion exchange resin. 15555
A sensitive procedure for urinary p-nitrophenol determination as a measure of exposure to parathion. 15559
- UTERUS**
Variations in uterine response to experimental infection due to the hormonal state of the ovaries. II. The mobilization of leukocytes and their importance in uterine bactericidal activity. 15288
- V-C13 NEMACIDE**
Chemicals for plant disease control. 15128
- VACCINES**
Potency testing of low egg passage modified live-viruses rabies vaccines. 15293
A preliminary note on the use of an inactivated vaccine against equine pest. 15329
Contribution to the study of ovine listeriosis and immunoprophylaxis against the disease in France. 15414
Antibody response to a combined living attenuated distemper - hepatitis vaccine. 15434
Experimental inactivated-virus hog cholera vaccines: induction period of immunity. 15435
Immunisation of sheep with multi-component clostridial vaccines. 15469
- VACCINIA VIRUS**
Effect of interferon on early enzyme and viral DNA synthesis in vaccinia virus infection. 15401
- VAPAM**
Action of soil fungicides. IV. changes in the spectrum of soil fungi. V. sensitivity of soil organism in vitro. 15041
- VAPORS**
Factors affecting the vapor loss of EPTC from soils. 15662
A vapor trapping apparatus for determining the loss of EPTC and other herbicides from soils. 15684
- VEGETABLES**
Uptake of radioactive ethyl NN-DI-N-PROPYLTHIOCARBAMATE (EPTC-35 S) and translocation of sulphur-35 in various crops. 14992
Notice of filing of petition regarding pesticides. 15587

SUBJECT INDEX

VENT VACCINATION

VENT VACCINATION

Revaccination of chickens against Newcastle disease by vent, wing-web, and intramuscular routes.

15495

VENTILATION

A ventilation unit for aerating insectary sleeve cages.

15690

VENTURIA INAEQUALIS

Metabolism in vitro of phloridzin and other compounds by *Venturia inaequalis*.

15627

VERTEBRAE

Vertebral biopsy in cattle.

15445

VERTICILLIUM

Control of *Verticillium* wilt of peppermint by soil fumigation in muck soil.

15065

Fungi isolated from black stem of alfalfa and the influence of temperature on lesion formation and disease severity.

1516D

VERTICILLIUM ALBO-ATRUM

The effect of growth substances on *Verticillium* wilt of.

15181

Mechanisms of variations in *Verticillium albo-atrum*.

15618

Dates of phenolic synthesis in potato roots resistant and susceptible to *Verticillium albo-atrum*.
patil, S. S.

15654

VERTICILLIUM WILT

Pathogen variability and breeding *Verticillium* wilt resistant strawberries.

15018

VIBRIO FETUS BACTERINS

An in vitro study of extracted antigens of *Vibrio fetus* isolates.

15454

VIBRIOSIS

Placental pathology of sheep with vibriosis.

15392

VICTORIN

Permeability changes caused by victorin.

15651

VINEGAR

Note on staining as an aid in counting vinegar eelworms in vinegar.

15534

VIRAL VACCINES

Newcastle disease immunity in broilers and caponettes vaccinated with killed-virus and live-virus vaccines.

15349

Virus diseases in calves.

15426

Revaccination of chickens against Newcastle disease by vent, wing-web, and intramuscular routes.

15495

VIROLOGY

Heat activation of virus inoculum.

15059

Purification, serology, and properties of a new cowpea virus.

15103

The in vivo and in vitro isolation of avian encephalomyelitis virus (AEV).

15388

The development of a chicken embryo lethal strain of avian encephalomyelitis virus.

15413

A quick method for the diagnosis of avian pox and infectious laryngotracheitis.

15463

Tissue culture and chicken embryo techniques for infectious laryngotracheitis virus studies.

15680

VIRUS DISEASES (ANIMALS)

The isolation of infectious bovine rhinotracheitis virus from cattle affected with conjunctivitis-observations on the experimental infection.

15313

Tissue culture propagation and pathology of a CELV virus.

15339

The development of a chicken embryo lethal strain of avian encephalomyelitis virus.

15413

Virus diseases in calves.

15426

The glycerolipids of *Mycoplasma mycoides*.

15439

Buoyant density of African horsesickness virus.

15458

Site of localization and effects of swine nasal virus in experimental pigs.

15474

Revaccination of chickens against Newcastle disease by vent, wing-web, and intramuscular routes.

15495

VIRUS DISEASES (INSECTS)

Transmission of some insect viruses with particular reference to ovarian transmission and its importance in the development of epizootics.

14862

Biotic potential of phytoseiid mites fed on virus-infected citrus red mites.

14950

The epizootiology of virus diseases in field populations of the armyworm, *Pseudaletia unipuncta* (Haworth).

14964

VIRUS DISEASES (PLANTS)

The ribonucleic acids of leaves and pods of peas infected with pea enation mosaic virus.

15017

Maintaining virus-free cultivars of peach in Michigan.

15D26

Beet yellow stunt virus.

15043

Antihist serum improves plant virus purification.

15062

Resistance to several viral diseases inherited as a unit.

15083

Radish mosaic viruses.

15084

Purification, serology, and properties of a new cowpea virus.

15103

Peanut stunt disease survey in Virginia, 1966.

15124

Transmission of apple mosaic and stem-pitting viruses through root grafts.

15126

Cross-transmission studies with citrus and prunus viruses.

15155

Typical field symptoms of pea viroses produced in greenhouse by deferring inoculation until flowering time or later.

15157

Preliminary note on transmission of a virus disease resembling tungro of rice in India and other virus-like symptoms.

15159

A difference in the translocability of two viruses in bean plants.

15170

Repellancy of reflective aluminum to transient aphid viral vectors.

15189

In vitro increase in virus infectivity. II.

15221

Detection of common antigens of apple virus isolates by complement fixation.

15635

VIRUS HEPATITIS

Virus hepatitis in turkeys.

15412

A modified microgel diffusion method and its application in the study of the virus of duck hepatitis.

15417

VIRUS X (POTATOES)

Effect of incubation temperature on length and infectivity of potato virus X particles in four host species.

15068

VIRUS Y (POTATOES)

Transmission of virus Y by instars of *Myzus persicae* (Homoptera: Aphidae).

14949

VIRUSES

Pecundity, longevity, and transinfectivity of citrus red mites (*Panonychus citri*) infected with a noninclusion virus.

14883

Methods for staining capsular virus inclusion bodies typical of granuloses of insects.

14894

Purification of viruses from pea roots.

15052

SUBJECT INDEX

WISCONSIN

- Purification, serology, and properties of a new cowpea virus. 15103
- Potency testing of low egg passage modified live-virus rabies vaccines. 15293
- Avian enteric cytopathogenic viruses. I. Isolation. 15332
- Avian enteric cytopathogenic viruses. II. Characteristics of a prototype. 15333
- Response of birds to one intranasal vaccination with B-1 strain of Newcastle disease virus. 15449
- Viruses, serums, toxins, and analagous products. notice of extension of time to submit written data, views, or arguments. 15481
- Virus-like particles of a fraction of a statolon, a mould product. 15617
- VISCOSITY**
Viscosity of naphthenic and paraffinic spray oils in relation to phytotoxicity and Sigatoka disease control on banana leaves. 15023
- VITAMIN A**
Effects of vitamin-A deficiency and high-level chlortetracycline on experimental candidiasis of turkeys. 15479
- VITAMIN B COMPLEX**
Persistent diarrhoea and vitamin B in the horse. 15418
- VITAMIN E**
Sulfur-selenium-vitamin E interrelations in ovine nutrition. 15330
- VOLATILE SUBSTANCES**
A bioassay for volatile toxicants from fungicides in soil. 15162
- WASHINGTON**
A new fungus leaf spot disease of cucumber in western Washington. 15057
- The role of seed transmission in the epidemiology of bean mosaics in central Washington. 15163
- WATER**
Source reduction through water management. 14985
- Experimental water intoxication in calves. 15396
- Acetonitrile dilution: a possible source of error in the "rapid method for chlorinated pesticide residues in nonfatty foods". 15577
- Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. food additives permitted in food for human consumption. thiabendazole. 15596
- WATER INTOXICATION**
Experimental water intoxication in calves. 15396
- WATER POLLUTION**
Effect of naturally occurring highly mineralized water on the growth of laboratory animals. 15305
- Microcoulometric gas chromatography analysis of selected herbicides in water. 15540
- Analytical procedures. in Methodology. 15546
- Insecticide analysis procedures used by the Klamath Basin study. (Paper presented at Pacific North West Pollution Control Association, Vancouver, B.C.). 15547
- Water pollution control and abatement. tD420.w45. 15548
- Infrared identification of chlorinated insecticides in the tissues of poisoned fish. 15553
- Semi-automatc extraction of organic materials from water. public Health Service Water Pollution Surveillance System Applications and Development Report 16. 15665
- WATERMELONS**
The amino acid and sugar compositions of healthy and anthracnose-infected watermelons. 15125
- WEATHER**
Seasonal shifts in the relative resistance to insect attack of eight commercial cabbage varieties. 15285
- WEED CONTROL**
Control of plant-nematodes and weeds in holly nurseries. 15257
- An obstacle course in ragweed control. 15281
- WEEDS**
Further additions to the list of fungus pathogens recorded in Chile. 15145
- Experimental photosensitization by spring parsley (*Cymopterus watsonii*) in chicks. 15494
- Control of pathogenic fungi, nematodes, and weeds by pre-planting chemical treatments. 15640
- WESTERN EQUINE ENCEPHALOMYELITIS VIRUS**
Relationships between eastern and western equine encephalomyelitis viruses as demonstrated by the hemagglutination-inhibition antibody response of experimentally infected chickens. 15419
- WHEAT**
Effect of variations in temperature on the reaction of temperature-sensitive wheat varieties to wheat stem rust. 15019
- Some environmental factors influencing penetration from appressoria of *Puccinia graminis* f. sp. *tritici* on seedling wheat leaves. 15020
- Seedling disease of wheat caused by *Sclerotium rolfsii*. 15098
- Effect of moisture content and length of storage period upon germination percentage of seeds of corn, wheat, and barley free of storage fungi. 15524
- Induced polygenic mutations in hexaploid wheats. 15621
- WHITE CLOVER**
Methods of mechanical transmission of bean yellow mosaic virus into white clover. 15002
- WILDLIFE**
La lutte chimique contre les insectes nuisibles. (chemical control of insect pests). ed. 3. SB951.15. 14906
- Safety of wildlife is important to planners of gnat-control program. 15239
- Isolation of *Listeria monocytogenes* from brains of rabies-negative animals. 15438
- Fish, wildlife unaffected by holl weevil program. 15557
- DDT reportedly discovered in antarctic seals and fish. 15563
- WILDLIFE FOOD PLANTS**
Determination of Zectran residues in aerial forest spraying. 15576
- WILT (QUERCUS)**
Oligomycin treatments of oak wilt in northern pin oaks. 15154
- WILT (TOMATOES)**
The effect of growth substances on *Verticillium* wilt of. 15181
- WING-WEB VACCINATION**
Revaccination of chickens against Newcastle disease by vent, wing-web, and intramuscular routes. 15495
- WINTER SQUASH**
A dry rot of acorn squash, *Cucurbita pepo*. L. 15040
- WISCONSIN**
A note on *Hoplitia producta* (Cress.) in Wisconsin (Hymenoptera: Megachilidae). 14833
- Feeding behavior and host preferences of some black flies (Diptera: Simuliidae) in Wisconsin. 14851

SUBJECT INDEX

WOHLFAHRTIA

WOHLFAHRTIA

Rearing and biology of Wohlfahrtia vigil (Diptera: Sarcophagidae). 14875

WOOD

Estimation of marine-borer attack on wooden surfaces. 15252

WOOD DESTROYING FUNGI

Effect of light on the rate of decay of three wood destroying fungi. 15044

Fungi associated with a wood wasp in dying pines in Tasmania. 15205

Timber pests and diseases. 1st ed. TA422. F5. 15529

Color formation on phenol-containing media as related to lignin breakdown by wood-rotting basidiomycetes. 15630

WOOD STAINING FUNGI

Timber pests and diseases. 1st ed. TA422. F5. 15529

X-RAYS

Effect on adult emergence of whole and partial X-irradiation of pupae of the housefly, Musca domestica nebulosa. 14926

Effects of x-irradiation of seed on x-1 and x-2 generations in Pinus banksiana Lambert. 15643

XANTHOMONAS MALVACEARUM

Longevity of Xanthomonas malvacearum in dried cotton plants and its significance in dissemination of the pathogen on seed. 15202

XENOGLOSA

Squash and gourd bees of the genus Xenoglossa (Hymenoptera, Apoidea). 14827

XIPHINEMA AMERICANUM

Soil fumigation by injection and irrigation for the control of nematodes on hops. 15261

YELLOW DWARF (EABLEY)

Vector specificity of three strains of barley yellow dwarf virus. 15164

YELLOW MOSAIC (EEANS)

Methods of mechanical transmission of bean yellow mosaic virus into white clover. 15002

Bean yellow mosaic virus in detached leaves of red clover plants. 15038

YELLOW (SUGAR BEETS)

Effect of virus yellows on yield and quality of sugar beet seed. 15080

YOLK SAC

Some factors affecting Rous sarcoma virus activity in the embryonated egg inoculated by the yolk - sac route. 15420

ZINC CHROMATE

Control of bacterial spot of peach. 15030

ZINEB

Control of tobacco fleck by dusting with Zineb. 15003

Organic fungicides for control of pecan scab. 15013

ZOOGEOGRAPHY

Danish Myrmeleontidae and their distribution. 14841

The ixodid ticks of Tanzania. a study of the zoogeography of the Ixodidae of an east African country. GL458.a2Y2. 14848

ZOONOSES

Salmonella and Shigella infections in bats in selected areas of Colombia. 15316

ZYTROM

Method for residues of Zytrom, O-2,4-dichlorophenyl O-methyl isopropylphosphoramidothioate, in chicken tissues and eggs. 15565

2-(2,4,5-TRICHLOROPHENOXY) PROPIONIC ACID

Microcoulometric gas chromatography analysis of selected herbicides in water. 15540

BIOGRAPHICAL INDEX

Lewis, L F

| | | | |
|---|-------|---|-------|
| Ackland, D M | | Animal Disease And Parasite Research Division | 15364 |
| Oxford University Museum | | Fabricant, J | |
| Hope Department of Entomology | 14800 | U. S. Dept. Of Agriculture | |
| Allen, R C | | Agricultural Research Service | |
| Roscoe R. Jackson Memorial Laboratory, Bar Harbor, Me. | 15287 | Animal Disease And Parasite Research Division | |
| Melo de Segneira, O | | Respiratory Diseases Project, Ne-5 | 15365 |
| University of London | 15001 | Fitzgerald, P B | |
| Armstrong, G M | | University of Illinois | |
| National Science Foundation | 15006 | College of Veterinary Medicine | |
| Ayala, F J | | Department of Pathology and Hygiene | 15366 |
| Providence College | | Plentje, N T | |
| Department of Biology | 14803 | Wisconsin Cannery Association | 15049 |
| Azab, A K | | Fordey Jr, C | |
| Cairo University | | Virginia Polytechnic Institute, Blacksburg | |
| Faculty of Agriculture | | Dept. Of Plant Pathology And Physiology | 15618 |
| Plant Protection Department | 14854 | Praizer, M W | |
| Bennet-Clark, R C | | Eli Lilly And Co. | 15512 |
| University of Edinburgh | | Fregly, R J | |
| Department of Zoology | 14859 | University of Florida, Gainesville | |
| Borgatti, A L | | College of Medicine | |
| Salem State College | | Department of Physiology | 15607 |
| Dept. Of Entomology | 14864 | Gessel, S P | |
| Brennan, E | | University of Washington, Seattle | |
| New Jersey Agricultural Experiment Station, New Brunswick | 15538 | College of Forestry | 15539 |
| Broome, A W | | Glantz, P J | |
| Wisconsin Alumni Research Foundation | 15288 | U. S. Public Health Service | |
| Brown, J P | | National Institute Of Allergy And Infectious Diseases. | 15373 |
| Wheat Industry Research Council Of Australia | 15020 | Goerlitz, D F | |
| Burke, C M | | U.S. Department of the Interior, Menlo Park, California | |
| National Institutes Of Health | 15332 | Geological Survey | |
| Burke, C M | | Water Resource Division | 15540 |
| National Institutes Of Health | 15333 | Gordon, N | |
| Calnek, R W | | University Of Cambridge, England | |
| DeKalb Agricultural Association, Inc., DeKalb, Ill. | 15335 | Sub-Dept. Of Veterinary Anatomy | 15294 |
| Calnek, R W | | Gotbif, S | |
| DeKalb Agricultural Association, Inc., DeKalb, Ill. | 15336 | University Of Florida | |
| Chomiak, T W | | Dept. Of Entomology | 14886 |
| U. S. Dept. Of Agriculture | | Gond, Jv | |
| Agricultural Research Service | | Indian Agricultural Research Institute, New Delhi, India | |
| Animal Disease And Parasite Research Division | 15339 | Rotary Division | 15621 |
| Chomiak, T W | | Gratzek, J B | |
| U. S. Dept. Of Agriculture | | Iowa State University | |
| Agricultural Research Service | | Department of Statistics | 15374 |
| Animal Disease And Parasite Research Division | 15680 | Greene, G L | |
| Christensen, C M | | Tela Railroad Co., La Lima, Honduras | |
| Cargill, Inc., Minneapolis, Minn. | 15524 | Vining C. Dunlap Laboratories | 15066 |
| Cloudsley-Thompson, J L | | Rampton, R E | |
| University of Kentucky, OAR | 14809 | U. S. Public Health Service | |
| Collyer, E | | National Institute Of Allergy And Infectious Diseases | 15072 |
| Department of Scientific and Industrial Research | | Heishman, J O | |
| Entomology Division, Nelson, New Zealand | 14810 | Regional Project NE-5 | 15383 |
| Corbett, M K | | Benson, J B | |
| University Of Maryland, College Park | | U.S. Dept. of Agriculture, Pullman, Washington | |
| Botany Dept. | 15028 | Dept. of Veterinary Pathology | 15385 |
| Cox, P L | | Boerlein, A B | |
| Norwich Pharmaceutical Company | | Colorado State University, Fort Collins | |
| Research and Development Dept. | | College Of Veterinary Medicine | 15387 |
| Chemistry Division | | Boff, J K | |
| Biochemistry Section | 15511 | Rohm And Haas Co., Philadelphia, Pa. | |
| Dale, W E | | Agricultural And Sanitary Chemicals Dept. | 15082 |
| U.S. Public Health Service, Atlanta | | Borton, J C | |
| Communicable Disease Center | 15556 | Iowa State University, Ames | |
| Daly, J M | | Dept. Of Botany And Plant Pathology | 15084 |
| National Institutes Of Health (Grant E-2000) | 15033 | Jeoffery, S M S | |
| Dowmanth, C R | | State Of Washington | 15393 |
| U. S. Dept. Of Agriculture | | Jerstad, A C | |
| Agricultural Research Service | | Western Cooperative Hatcheries, Bellevue, Wash. | 15394 |
| Animal Disease And Parasite Research Division | 15353 | Kaiser, M N | |
| Elliott, J W | | Emory University | 14828 |
| U.S. Public Health Service, Wenatchee, Washington | | Kilpatrick, B A | |
| Communicable Disease Center | | U.S. Department of Agriculture, College Station, Texas | |
| Bureau of State Services | 15559 | Agricultural Research Service | |
| Ellis, L F | | Crops Research Division | 15098 |
| Lilly Research Laboratories | 15617 | Koenig, B | |
| Epling, G P | | Dentsch. Akad. Der Wissenschaften, Jena, German Dem. Rep. | |
| Colorado State University, Fort Collins, Colo. | | Institut Fur Mikrobiologie Und Experimentelle Therapie | 15101 |
| College of Veterinary Medicine | | Kurtzman Jr, R H | |
| Dept. of Anatomy | 15361 | University Of Minnesota | |
| Fabricant, J | | Dept. Of Biology | 15632 |
| U. S. Dept. Of Agriculture | | Ladisch, R K | |
| Agricultural Research Service | | Johns Hopkins University | |
| Animal Disease And Parasite Research Division | 15362 | Immaculata College | |
| Fabricant, J | | Department of Chemistry | 15531 |
| U. S. Dept. Of Agriculture | | Langlois, R E | |
| Agricultural Research Service | | Purdue University | |
| Animal Disease And Parasite Research Division | 15363 | Department of Animal Science | 15568 |
| Fabricant, J | | Lewis, L F | |
| U. S. Dept. Of Agriculture | | U. S. Dept. Of Agriculture, Corvallis, Oregon | |
| Agricultural Research Service | | Agricultural Research Service | |
| | | Entomology Research Division | 14971 |

BIOGRAPHICAL INDEX

| | | | |
|--|-------|---|-------|
| Luke, H R | | | |
| Luke, H H | | U. S. Department of Health, Education, and Welfare | |
| University Of Florida | | Public Health Service | |
| Plant Pathology Dept. | | Communicable Disease Center | 15438 |
| Agricultural Experiment Stations, Gainesville, Fla. | 15114 | Purvance, G T | |
| Maggenti, A E | | U.S. Steel Corporation | |
| University of California, Davis | | Agricultural Department | |
| Department of Nematology | 15261 | Geneva Works | 15445 |
| Malca, I | | Radomski, J L | |
| University Of California, Riverside | | University of Miami, Coral Gables | |
| Dept. Of Plant Pathology | 15120 | School of Medicine | 1557B |
| Marshall, V L | | Raun, E S | |
| Iowa State University | | Iowa State University Of Science And Technology | |
| College of Veterinary Medicine | | Dept. Of Zoology And Entomology | 14940 |
| Veterinary Diagnosis Laboratory | | Renfro, B L | |
| Toxicology Section | 15404 | Rockefeller Foundation, New Dehli, India | 15160 |
| Matthews, T R | | Richardson, L. T. | |
| University of Wyoming, Laramie, Wyoming | | University Of California, Riverside | |
| Division of Veterinary Science | 15406 | Dept. Of Plant Pathology | 15162 |
| Mattson, A M | | Riekerk, R | |
| U.S. Public Health Service, Savannah | | University of Washington, Seattle | |
| Communicable Disease Center | 15569 | College of Forestry | 15544 |
| McDaniel, L S | | Robertson Jr, R S | |
| Fort Halifax Packing Co., Winslow, Me. | 15678 | San Jose State College, San Jose, Calif. | 15163 |
| McGuffin, W C | | Rolofson, G L | |
| Canada Department of Forestry and Rural Development, Ottawa | 14831 | Virginia Polytechnic Institute, Blacksburg | |
| Meleney, W P | | Department of Entomology | 15611 |
| U. S. Department of Agriculture | | Boulston, W J | |
| Animal Disease and Parasite Research Division | | CSIRO | |
| Agricultural Research Service | 15407 | Veterinary Parasitology Laboratory | |
| Mendrowski, B | | Division of Entomology | 15506 |
| U. S. Public Health Service | | Russell, B | |
| National Institutes Of Health | 15408 | University of Cape Town | |
| Mendrowski, B | | Csir and Uct Virus Research Unit | 15458 |
| D. S. Public Health Service | | Schaeffer, C W | |
| National Institutes Of Health | 15409 | Brooklyn College, N.Y. | |
| Mercer, H D | | Dept. Of Biology | 14840 |
| Food and Drug Administration | | Schafer, M L | |
| Bureau of Veterinary Medicine | 15410 | D.S. Public Health Service, Cincinnati | |
| Messersmith, R E | | Robert A. Taft Sanitary Engineering Center | |
| American Cyanamid Company | | Milk and Food Research | 1558D |
| Agricultural Division | | Shelton, G C | |
| Research and Development Department Laboratories | 15411 | University of Missouri | |
| Moore, J | | School of Veterinary Medicine | |
| U. S. Public Health Training Grant | 14924 | Dept. of Veterinary Microbiology | |
| Morailon, P | | Dept. of Veterinary Pathology | 15464 |
| Laboratoire Cooperatif National des Eleveurs | 15414 | Siegel, B V | |
| Morton, D J | | University of Oregon Medical School, Portland | |
| North Dakota Agricultural Experiment Station, Fargo | 15141 | Department of Pathology | 15465 |
| Moulton, J | | Silverstein, R M | |
| University of California | | U S Department of Agriculture | |
| School of Veterinary Medicine | | Agriculture Research Service | |
| Dept. of Pathology | 15416 | Market Quality Research Division | 14954 |
| Mulla, M S | | Simpson, C F | |
| Coachella Valley Mosquito Abatement | | National Heart Institute | 15304 |
| Coachella Valley Mosquito Abatement District, Riverside Cty. | 14977 | Sinha, A K | |
| Nilsson, G I | | University of Kalyani, West Bengal, India | |
| Cornell University | | Department of Plant Pathology | 15181 |
| Dept. Of Plant Pathology | 15144 | Skold, B H | |
| Olesiuk, O M | | Iowa State University, Ames | |
| American Cyanamid Co., New York, N. Y. | | Graduate College | 15305 |
| Lederle Laboratories Division | 15421 | Smith, F F | |
| Olesiuk, O M | | Cornell University, Farmingdale, N. Y. | 15189 |
| American Cyanamid Co., New York, N. Y. | | Smith, B W | |
| Lederle Laboratories Division | 15422 | Animal Health Trust Stock, Essex, England | 15467 |
| Osborne, C A | | Splitstoeser, C M | |
| University of Minnesota | | Public Health Service | |
| College of Veterinary Medicine | | National Institute Of Allergy And Infectious Disease | 1496D |
| Dept. of Veterinary Medicine | 15423 | Staveland, J R | |
| Page, L A | | U.S. Dept. Of Agriculture, Beltsville, Md. | |
| U. S. Dept. Of Agriculture | | Agricultural Research Service | |
| Agricultural Research Service | | Crops Research Division | 15193 |
| Animal Disease And Parasite Research Division | 15425 | Stromberg, M W | |
| Palmer, J M A | | U. S. Public Health Service, Bethesda, Md. | |
| An Foras Taluntais, Moorepark, Fermoy, Ireland | 15575 | National Institute Of Neurological Diseases | 153D6 |
| Palmer, J S | | Tanada, Y | |
| U.S. Dept. Of Agriculture, Kerrville, Texas | | National Science Foundation | 14964 |
| Agricultural Research Service | | Tarshis, I B | |
| Animal Disease And Parasite Research Division | | U.S. Public Health Service | |
| Toxicological Investigations Laboratory | 1561D | National Institutes Of Health | |
| Phelps, W B | | National Institute Of Allergy And Infectious Diseases | 155D7 |
| U.S. Department of Agriculture, Rhinelander, Wisconsin | | Teasley, J I | |
| Forest Service | | U.S. Department of the Interior, Athens, Georgia | |
| North Central States Forest Experiment Station | 15154 | Southeast Water Laboratory | 15545 |
| Pieper, G R | | Tubias, H S | |
| U.S. Department of Agriculture, Corvallis | | U. S. Fish And Wildlife Service, Milford, Conn. | 15308 |
| Forest Service | | Milford Biological Laboratory | |
| Pacific Northwest Forest and Range Experiment Station | 15576 | Tyo, B M | |
| Pittman, B | | U.S. Public Health Service, Dauphin Island, Alabama | |
| | | Division of Environmental Engineering And Food Protection | |
| | | Shellfish Sanitation Branch | |

BIOGRAPHICAL INDEX

O'Meara, D C

| | |
|--|-------|
| Gulf Coast Shellfish Sanitation Research Center | 15583 |
| Vaartaja, O | |
| Southern Research Station, Maple, Ontario, Canada | |
| Forest Pathology Laboratory | 15205 |
| Vadlamudi, S | |
| Animal Husbandry Dept., Andhra State, India | 15486 |
| Walter, W G | |
| U. S. Dept. Of Agriculture, East Lansing, Mich. | |
| Agricultural Research Service | |
| Poultry Research Branch | 15490 |
| Wehster, E E | |
| University Of Delaware, Newark | 15215 |
| Wheeler, G P | |
| Southern Research Institute | |
| Ketting-meyer Laboratory | 15676 |
| White, G | |
| Wellcome Veterinary Research Station, Tunbridge Wells | 15492 |
| Wicker, E F | |
| Washington State University, Pullman | |
| College of Agriculture | 15283 |
| Williams, J C | |
| Louisiana State University | |
| Department of Tropical Medicine and Medical Parasitology | |
| School of Medicine | 15519 |
| Williams, P H | |
| Boyce Thompson Institute, Yonkers, N. Y. | 15652 |
| Wright, K A | |
| Ontario Research Foundation, Toronto, Canada | |
| Dept. Of Parasitology | 14969 |
| Yarwood, C E | |
| University of California, Berkeley | 15221 |
| Zahran, G E D | |
| Ministry Of Agriculture, Cairo, Egypt | |
| Veterinary Research Laboratories | 15498 |
| Zahran, G E D | |
| Ministry Of Agriculture, Cairo, Egypt | |
| Veterinary Research Laboratories | 15499 |
| Zarkower, A | |
| Canada Dept. Of Agriculture | |
| Animal Diseases Research Institute | |
| Health Of Animals Division | |
| Animal Pathology Laboratories | 15677 |
| O'Meara, D C | |
| American Cyanamido Co. | 15500 |

AUTHOR INDEX

Duffns, J E

| | | | | | | |
|----------------------|-------|---------------------|----------------|---------------------|------------------|-------|
| Abbott, E V | 14994 | Beck, S D | 14858 | 15333 | Copaira, M | 15347 |
| Abibanti, F F | 15313 | 14886 | Burke, O W | 15185 | Corbett, M K | 15028 |
| Ackland, E M | 14800 | Peckman, J R | 15491 | Burke, J A | Cornelius, C E | 15299 |
| Adams Jr, R S | 15613 | Felding, R C | 15325 | 15577 | Corstvet, B | 15320 |
| Adams, J E | 14649 | Bell, A A | 15034 | Burkbolder, W E | Cory, L | 15079 |
| Adams, L V | 15687 | Fell, G L | 15404 | Burmester, B R | Cosgrove, J S | 15291 |
| Adler, H E | 15314 | Bender, K | 15614 | Burns, M J | Cosgrove, J S M | 15291 |
| 15363 | | Bennet-Clark, H C | 14859 | Burrage, R H | Cotchin, E | 15345 |
| Aicbele, M D | 15616 | Fennett, C W | 15080 | Burts, E C | Conch, H B | 15139 |
| Aizawa, K | 14850 | Benson, N R | 15244 | Burttschell, R H | Coudriet, D L | 15080 |
| Akin, A | 15602 | Benson, W R | 15661 | Busch, K A | Cover, M S | 15326 |
| Akin, B A | 14989 | Benton, W J | 15326 | Butcher, J E | 15390 | |
| Al-Hafida, R | 14801 | 15346 | Butler Jr, G D | 14845 | 15340, 15346 | |
| Allen, B | 15064 | Beranger, G | 15338 | Byrne, R J | Cox, P L | 15511 |
| Allen, L C | 15250 | Ferg, J | 15314 | Calavan, E C | Cox, W S | 15545 |
| Allen, E H | 14995 | Berg, J B | 15363 | Callahan, P S | Coyne, D P | 15172 |
| Allen, I V F | 15252 | Ferg, L A | 15615 | Callantine, M B | Cristea, J | 15604 |
| Allen, B C | 15287 | Eerger, H | 15411 | Callstrom, B C | Crossan, O F | 15010 |
| 15351 | | Berger, B D | 15137 | Calnek, B W | 15029, 15219 | |
| Allen, R M | 14996 | Bergold, G H | 14860 | 15335, 15336, 15462 | Crystal, M M | 15501 |
| 14997, 14998 | | Beroza, M | 14915 | Calpouzos, L | 15605 | |
| Allen, W R | 14999 | 15551, 15552, | 15561 | 15023 | Cuba-Caparo, A | 15347 |
| Allred, J N | 15535 | Berry, F H | 14990 | Campbell, J E | Cueto, C | 15555 |
| Altman, J | 15000 | Berry, S J | 14861 | Campbell, L | 15606 | |
| Alziar, G | 14802 | Berryman, A A | 14806 | Campbell, R N | Cuming, P G | 14811 |
| Amaro de Sequeira, O | 15001 | Eertuzzi, P F | 15550 | Candy, O J | Cunningham, C H | 15490 |
| Amerault, T E | 15315 | 15577 | | Canerday, T D | Curley, A | 15606 |
| Andersen, J R | 15357 | Betts, A O | 15327 | Cantwell, G E | Curtis, R W | 15673 |
| Anderson, G W | 15496 | 1532B, 15399 | | 14952 | Czech, P P | 1565B |
| 15497 | | Phaskaran, G | 14926 | Cappellini, R A | Da Massa, A J | 15493 |
| Anderson, J B | 14851 | Bigler, W J | 15369 | Carbrey, E A | Da Silva, M E | 15579 |
| Anderson, L F | 15002 | Bing, A | 15189 | Carlson, A D | Dacres, W G | 1534B |
| Anderson, P J | 15003 | Binns, W | 15494 | Carlson, L E | Daines, B B | 15030 |
| Andreassen, G | 15693 | Bird, F T | 14862 | Carlson, W O | 15031, 15032, | 15522 |
| Andrews, F N | 15290 | Bishop, J L | 15611 | Carpenter, J B | 15538 | |
| Angle, B J | 15532 | Elaba, G | 15140 | Cascio, T | Oale, J L | 15076 |
| 15533 | | Elodgett, E C | 15015 | Casida, L E | Dale, W E | 15556 |
| Angstrom, C I | 15340 | 15616 | | Castelfranco, P | Daly, J M | 15033 |
| Arakawa, A | 15509 | Bloom, J B | 15139 | Castillo, B S | 15034, 15625 | |
| Arata, A A | 15316 | Blum, M S | 14807 | Cation, O | Oanesb, D | 15091 |
| Arisumi, T | 15004 | Bobbs, M L | 15225 | Cavill, G W K | Dardir, A B | 15349 |
| Armstrong, G M | 15005 | Boeckh, J | 14863 | Chadbourne, D S | Das, C B | 15035 |
| 15006 | | Boehm, E | 15058 | Chalkley, J H | Oaubney, R | 15350 |
| Armstrong, J C | 15317 | Boothroyd, C W | 15133 | Chamberlain, R W | Oavis Jr, S H | 15087 |
| Armstrong, J K | 15005 | Borgatti, A L | 14864 | Chang, P W | Oavis, J T | 15542 |
| 15006 | | Borisova-Zinov:eva, | 14808 | Chang, S C | Davis, J W | 15351 |
| Armstrong, W H | 15318 | Botts, B P | 15427 | Chapman, H C | Oawson, L | 14878 |
| 15450 | | Bourdin, P | 15329 | Chapman, B K | Day, B E | 15279 |
| Aruga, H | 14852 | Eowman, M C | 15551 | 15285 | de Brnin, J | 15695 |
| Asmar, J | 15451 | 15552 | | Chen, J T | De Jongh, H | 15292 |
| Asguith, J | 15223 | Boyazoglu, P A | 15330 | Chen, J-Y T | de la Vega, E | 15347 |
| Atkin, J D | 15142 | Boyd, A W | 15016 | Cherby, J | Oean, D J | 15293 |
| Atkins, M D | 14853 | Boyer Jr, C I | 15331 | Cherry, W B | Oean, J L | 15036 |
| Aube, C | 15007 | Boyle, H W | 15553 | Chiang, H C | DeBach, P | 15689 |
| Autter, S H | 15008 | Bozarth, B F | 15017 | Chomiak, T W | DeFoliart, G R | 14851 |
| Axelrod, H | 14978 | Bozicevich, J | 15175 | 15680 | 14875 | |
| Ayala, F J | 14803 | Brase, K D | 15060 | Christensen, C M | OeLay, P D | 15352 |
| Aycock, B | 15521 | Brack, J | 14865 | 15525 | Delfel, N E | 15022 |
| Azab, A K | 14854 | Breland, O P | 14866 | Christensen, J F | 15023 | |
| Babcock, W E | 15395 | Brennan, E | 15522 | Christensen, D W | Delong, D M | 14812 |
| Bache, C A | 15656 | 15538 | | Chute, H L | Deschenes, J | 15007 |
| Bagnall, E H | 15009 | Brennan, J M | 15679 | 15500, 15677, | Oetweiler, O K | 15427 |
| Bailey, L | 14855 | Bretbour, J R | 15503 | Claborn, B V | DeVay, J E | 15037 |
| Baker, C | 15569 | Brickey, P M | 15534 | Clark, C H | 15136 | |
| Baker, G A | 15527 | Bringhurst, R S | 15018 | 15341 | deYakimac, A A | 14989 |
| Baker, K F | 15648 | Brinkman, B | 15565 | Clark, D S | 15602 | |
| Baker, N F | 15319 | Broadhead, D M | 15036 | Clark, L G | Diacbun, S | 1503B |
| Banerjee, B | 14856 | Bromfield, K B | 15019 | Clark, M C | Dicke, R J | 14813 |
| Baniecki, J F | 15010 | Brooks, O L | 14940 | Clerx, W A | Gickson, M H | 15142 |
| Bankowski, R A | 15320 | Froome, A W | 15288 | Clondsley-Thompson, | Diamond, A E | 15654 |
| 15425, 15493 | | Brown, A W A | 14970 | Clower, D F | Dobson, A | 15659 |
| Oanttari, E E | 15011 | Erown, C J | 15379 | Cochran, D G | 15233 | |
| Barnes, A G | 15555 | Brown, J A | 15331 | Cochran, J H | Docampo, O | 15145 |
| Barnes, G L | 15012 | Brown, J F | 15020 | Coggins, L | Dochinger, L S | 15039 |
| 15013 | | Brown, K W | 14889 | Cohen, C F | Oocker, T M | 1484B |
| Barnes, L E | 15321 | Brnbaker, B W | 15080 | Colberg, C | Doeung, S T | 15040 |
| 15322 | | Brumagen, D M | 15072 | 15023 | Domermuth, C H | 15353 |
| Barnes, M M | 14977 | Frungs, W A | 15603 | Cole, C R | Domsch, K B | 15041 |
| Barry, J R | 15014 | Bncber, G E | 14867 | Cole, O W | Oone, J | 15354 |
| Bartb, E A J | 15316 | 15226, 15276 | | Coleman, O H | Done, J T | 15355 |
| Bartba, A | 15323 | Euck, W B | 15404 | Coleman, P H | Donley, O E | 15230 |
| Bartlett, B R | 15224 | Bnening, G M | 15374 | Collins, S M | Dorfman, E | 15670 |
| Bartlett, F J | 14857 | Burbash, G | 15373 | Collyer, E | Dorsey, C K | 14814 |
| Bateman, D F | 15207 | Burbfield, E G | 15158 | Colt, W M | Dorward, K | 14991 |
| Batty, I | 15469 | Burbfield, H P | 15554 | Connell, M C | 15231, 15232, | 15557 |
| Batzler, H O | 14804 | Burdin, M L | 15510 | 15480 | Oougherty 3rd, E | 15356 |
| Beal, V C | 15535 | Burges, H D | 14929 | Constant, K | Dowler, W M | 15042 |
| Beane, F D | 14986 | 15696 | | Cook Jr, P P | Drugs, J B | 15400 |
| Beasley, J N | 15324 | Purgess, L | 14868 | Cook, F W | Drummond, R O | 15502 |
| Beaumont, J De | 14805 | Burke, C N | 15332 | | Duffus, J E | 15043 |

AUTHOR INDEX

Dumas, W T

| | | | | | | |
|-----------------------|-------|-----------------|-------|------------------|-----------------|-------|
| Dumas, W T | 15278 | Fujisawa, I | 15056 | 15198 | Hoag, W G | 15386 |
| Duncan, C G | 15044 | Fukuda, S | 14852 | Gross, S | Hobert, V | 15405 |
| Duncan, J B | 15357 | Fulton, J P | 15076 | Grover, S K | Hocking, D | 15081 |
| Dunleavy, J M | 15045 | Funnell, H S | 15574 | Gulli, R | Hodges, S W | 14823 |
| Dunlop, W B | 15358 | Furman, W B | 15562 | Gupta, A P | Hodgeson, E | 14892 |
| Durham, W F | 15559 | Putrell, M C | 15161 | Gupta, D S | Hoekstra, W G | 15446 |
| Dye, J L | 15697 | Gabrielson, R L | 15057 | Gutenmann, W H | Hoerlein, A R | 15387 |
| Edds, G T | 15410 | Gahagan, J | 15602 | Guthrie, J W | Hoff, J K | 15082 |
| Edgington, L V | 15660 | Gahan, J B | 14817 | Gutter, Y | 15259 | |
| Eichelberger, J W | 15665 | Gainer, J H | 15369 | Guyer, G | Hoffman, R A | 15240 |
| Eichmeier, J | 14876 | 15682 | | Guyer, G E | 15504 | |
| Eidelman, M | 15558 | Gale, G O | 15411 | Gyles, N B | Hokama, Y | 14988 |
| Eidson, C S | 15311 | Galton, M M | 15309 | Gyrisco, G G | Holcomb, B | 14893 |
| Eisenberg, W V | 15534 | Gambrell, F L | 14818 | Haas, J H | Holdaway, F G | 15229 |
| Elam, G W | 15400 | Garber, M J | 14977 | Haas, R H | Hollifield, R D | 15511 |
| Ellenby, C | 15254 | Garcia, R S | 14880 | Haasis, F A | Hollister, C J | 15343 |
| Elliot, J W | 15559 | Garside, J S | 15370 | Hadden, S J | Holmes, P O | 15083 |
| Ellis, E M | 15359 | Gaston, L K | 14881 | Haeger, J S | Holmes, F W | 15626 |
| 15360 | | 14882 | | Hagedorn, D J | Holowczak, J | 15627 |
| Ellis, L F | 15617 | Gaul, H | 15614 | Hagley, E A C | Holway, R T | 14975 |
| Emge, S G | 15681 | Geer, J C | 15461 | Hagmann, L E | Hoof, J Van | 15536 |
| English, H | 15145 | Geier, P W | 14993 | Haines, C E | Hoogstraal, H | 14828 |
| English, W H | 15037 | Gennaro, J F | 15297 | Halfhill, J E | Horton, J C | 15084 |
| Epling, G P | 15361 | Gentry, J W | 15235 | Halisky, P M | House, R L | 14824 |
| Epps, N A | 15496 | 15236 | | Halliwell, R S | Howe, P M | 15531 |
| 15497 | | Genung, W G | 15513 | Halpin, J E | Howes, J R | 15297 |
| Ettinger, G | 15086 | 15683 | | Hamilton, C M | Huang, S S | 14963 |
| Ewing, A W | 14859 | George, J L | 15563 | Hamilton, R D | Huang, Y M | 14825 |
| Exline, A | 14815 | Germaine, P W | 15535 | Hammond, G H | Huhben, K | 15427 |
| Faber, J E | 15384 | Gessel, S P | 15539 | Hammond, J W | Huffman, C W | 15628 |
| Fabricant, J | 15331 | Getzin, L W | 15237 | Hampton, R E | Huger, A | 14894 |
| 15362, 15363, 15365 | 15364 | Ghenne, P | 15536 | Hancock, J G | Hughes, J S | 15542 |
| Fairchild, M L | 15246 | Ghosh, A | 15159 | Hanlin, R T | Hughes, J T | 15241 |
| Fallin, E | 15560 | Gibson, I A | 15058 | Hansbrough, T | Huisenga, J | 14846 |
| Fang, S C | 14992 | Gibson, T E | 15355 | Hanson, E W | Hukuhara, T | 14852 |
| 15560 | | Gill, C C | 15059 | Hanson, L E | Humphreys, T W | 15675 |
| Fassel, H | 15457 | Gill, E | 15371 | 15417 | Hunter, P E | 14826 |
| Feaster, J P | 15297 | Gillies, P A | 14973 | Hanson, R P | Hunter, R C | 14815 |
| Featherston, P E | 14887 | Gilmer, R M | 15060 | Hantschel, H | Hurd, P D | 14827 |
| Fehringer, N V | 15562 | Gilmore, J E | 14883 | Hapke, H J | Husain, A | 15085 |
| Felix, E L | 15046 | 15238 | | Hardeland, R | Hussey, N W | 15241 |
| Fellows, H | 15047 | Gilmore, V | 15477 | Hare, W C D | Hwang, J | 15388 |
| Fenner, L M | 15255 | Gingrich, S E | 15504 | Harein, P K | Hyre, R A | 15086 |
| Ferguson, A E | 15412 | Glantz, P J | 15372 | Harms, R H | 15087 | |
| 15480 | | 15373 | | Harrap, K A | Ignoffo, C M | 14895 |
| Fernandez, A I | 14877 | Glick, P A | 14884 | Harris, J E D | Iida, S | 14850 |
| Ferris, J M | 15048 | Godard, E M | 15628 | Harris, E J | Irzykiewicz, H | 14934 |
| Fieldhouse, D J | 15219 | Godfrey, J F | 15342 | Harris, P | Ishii, S | 14896 |
| Fields, M L | 15134 | Goerlitz, D F | 15540 | Harrison, M D | Ishizaki, R | 15476 |
| Fievez, L | 15536 | Golanski, K | 14885 | Hart, J H | Ismail, I I | 14854 |
| Findlay, W P K | 15529 | Golastrom, P D | 15620 | Hart, W G | Ivey, M C | 15565 |
| Finlayson, T | 14830 | Golato, C | 15061 | Harvey, T L | Jackson, C R | 15088 |
| Finney, G L | 14878 | Gold, A H | 15062 | Haseoehrl, S G | Jacobs, R E | 15389 |
| 15690 | | Goldberg, H S | 15317 | Hashimoto, Y | Jacques, R P | 15242 |
| Finocchiaro, J M | 15661 | Gonzales, C Q | 15089 | Haufler, M | Jaffer, A A | 15081 |
| Fischer, F S | 15582 | Gonzalez, S H | 14843 | Hawk, H W | James, L F | 15390 |
| Fiserova-Bergerova, V | 15578 | Good, J M | 15256 | Hawkins, J D | Jang, R S | 14897 |
| Fisher, E G | 15151 | Goode Jr, E R | 15315 | Hayes, R O | Jarrett, W F H | 15391 |
| Fitzgerald, P R | 15366 | Goode, R B | 15311 | Hazeltine, W | Jehlich, H | 15334 |
| Flentje, N T | 15049 | Gordon, N | 15294 | Heddleston, K L | 15335 | |
| 15648 | | Gordon, R F | 15370 | 15382 | Jenkins Jr, J M | 15521 |
| Flowers, A I | 15413 | Gorham, J R | 15385 | Hedin, P A | Jenkins, W R | 15265 |
| Floyd, E B | 14816 | Gorman, J E | 14954 | Heishman, J O | Jennings, A R | 15327 |
| 15233 | | Gossett, P O | 15321 | Hejl, J M | Jennings, F W | 15391 |
| Foill, R B | 15050 | 15322 | | Hellenbrand, K | Jensen, D D | 15089 |
| Foot, L E | 15461 | Goth, R W | 15218 | Helmboldt, C F | Jensen, H L | 15543 |
| Ford, H B | 14817 | Gothliff, S | 14886 | 15388, 15680 | Jensen, H P | 15572 |
| 14967 | | Gouck, H | 14915 | Helton, A W | Jensen, R | 15305 |
| Ford, J H | 15561 | Goud, J V | 15621 | 15075, 15258 | 15392 | |
| Ford, E E | 15051 | Graber, M | 15514 | Hendrix, J W | Jensen, S G | 15033 |
| 15052 | | Gracian, M | 15316 | 15077, 15625 | Jeoffery, S M S | 15393 |
| Fordyce Jr, C | 15618 | Graham, A B | 14824 | Henneberry, T J | Jerstad, A C | 15394 |
| Fox, L E | 15488 | Graham, H M | 14880 | Benson, J B | Jessen, E | 14898 |
| Francis, L W | 15367 | Graham, J H | 15063 | Henson, L | Jewell, F F | 15090 |
| Fraser, G | 15368 | Graham, S O | 15064 | Heotis, J P | Jewell, H K | 15080 |
| Frazier, M N | 15389 | Grant, C D | 14970 | Hepting, G H | Jobbins, D M | 14985 |
| 15512 | | Granville, A | 15536 | Hernandez, T P | Johnson, D E | 15260 |
| Fredericksen, R A | 15053 | Gratzek, J B | 15374 | Hertig, M | 15554 | |
| Fregly, M J | 15607 | Gray, S A | 15662 | Herve, P | Johnson, G V | 15189 |
| French, A | 14879 | 15684 | | Heuberg, J W | Johnson, P T | 14899 |
| Frey, R A | 15396 | Green Jr, R J | 15065 | Heuschele, W P | Johnson, R E | 15298 |
| Freytag, F H | 14812 | 15618 | | Bevitt, W B | Jones, L G | 15123 |
| Fridlund, P B | 15054 | Green Jr, V E | 15530 | Higgins, D J | Jordan, J W | 15664 |
| Friedman, A B | 15619 | Greene, G L | 15066 | Higinbotham, W A | Jordan, L S | 15279 |
| Frolich, E F | 15021 | Griesemer, R A | 15375 | Hildebrand, D C | Jordan, R M | 15330 |
| Frosheiser, F I | 15055 | Griffin, G D | 15273 | Hill, K L | Judge, F D | 15243 |
| Fry, D E | 15349 | Griggs, W G | 15089 | Hills, O A | Judson, C L | 15686 |
| Frye, R D | 15234 | Griner, L A | 15376 | Hines, J A | Juhasz, M | 15323 |
| Fujimoto, M S | 14890 | 15377, 15378 | 15378 | Hines, N W | Jungherr, E L | 15332 |
| | | Grogan, R G | 15130 | Hitchner, S B | 15333 | |

AUTHOR INDEX

Olson, N O

| | | | | | | | |
|-------------------|-------|------------------|-------|------------------|-------|-------------------|-------|
| Kabana, R R | 15664 | Lambert, G | 15315 | Maisel, J | 15415 | Miskus, R P | 15576 |
| Kahn, R P | 15175 | Lamont, P H | 15399 | Maki, W A | 15679 | Mitchell, J A | 14857 |
| 15189 | | Landis, W R | 15105 | Malca, I | 15120 | Mitchell, J E | 15137 |
| Kaiser, M N | 14828 | Landram, J F | 15515 | Mallett, S L | 15090 | Mitrovic, M | 15405 |
| Kaiser, W J | 15091 | Langlois, S E | 15568 | Mann, R M | 15685 | Mittler, T E | 14921 |
| Kamakahi, O | 14890 | LaPlaca, M | 15415 | Mansfield, M E | 15387 | Mock Jr, L G | 15668 |
| Kamps, I | 15550 | Larson, R H | 15273 | Manthei, C A | 15315 | Moffitt, C | 14950 |
| Kaneko, J J | 15299 | Lauder, I M | 15489 | Maramorosch, K | 15121 | Moje, W | 15138 |
| Kantzes, J G | 15092 | Lawlor, S | 15000 | Marlatt, R R | 15122 | Molello, J A | 15392 |
| Kaplanis, J M | 14896 | Laws, G F | 15516 | Marshak, R R | 15343 | Moller, W J | 15145 |
| 14922 | | Layton, J M | 15436 | Marshall, V L | 15404 | Mongean, J O | 15412 |
| Kappus, K D | 14900 | Leach, C M | 15633 | Martin, D F | 14880 | Monnier-Cambon, J | 15329 |
| Kasemhre, J N E | 15629 | Lear, Rert | 15260 | 14884 | | Monroe, R E | 14922 |
| Katz, S E | 15566 | Leather, R I | 15106 | Martin, W J | 15014 | 14923 | |
| Kautman, D D | 15093 | Lehen, C | 15107 | 15123, 15262 | | Moore, R | 15502 |
| 15567 | | Ledger, M | 15058 | Mason, L F | 15233 | Moore, J | 14924 |
| Kavenagh, J F | 15291 | Lee, D C | 14905 | Matheny, W H | 15124 | 14968 | |
| Kawahara, F K | 15665 | Lee, G G | 15449 | Mathew, W J | 15479 | Moore, J O | 15137 |
| Kawamoto, S C | 15094 | 15451 | | Matiseck, P H | 15405 | Moore, L D | 15139 |
| Kay, B N E | 15659 | Lee, V H | 15486 | Matsni, C | 15056 | 15638 | |
| Kearns, C W | 14874 | Leland, S E | 15400 | Matthews, T R | 15406 | Moore, R W | 15324 |
| Keil, H L | 14901 | Lemin, A J | 15619 | Mattson, A M | 15555 | 15413 | |
| 15186 | | Leonard, O A | 15667 | 15569 | | Morillon, P | 15414 |
| Kelman, A | 15119 | Leone, I | 15522 | Maxwell, D P | 15207 | Morehart, A L | 15029 |
| 15630 | | Leone, I A | 15538 | Mayer, A | 14913 | Moreland, D E | 15280 |
| Kempe, C H | 15415 | Levine, P P | 15363 | Mayer, R J | 14914 | Morgan, C V G | 15532 |
| Kendrick Jr, J E | 15138 | 15365 | | Mayhew, R L | 15519 | Morgan, G V G | 15533 |
| Kenzy, S G | 15393 | Levine, S | 15401 | McBeth, C A | 15609 | Morquer, R | 15140 |
| 15420, 15479 | | Lewis, G D | 15108 | McCarty, R T | 15609 | Morrill, A W | 14975 |
| Kernkamp, M F | 15160 | 15109 | | McCllymont, G L | 15397 | Morris, G K | 14925 |
| Kerr, A | 15095 | Lewis, I F | 14971 | McCombs, C L | 15125 | Morrison, S M | 15454 |
| Kiesling, A L | 15096 | Lhoste, J | 14906 | McCrum, R C | 15126 | Mortensen, J A | 15168 |
| Kilgore, W W | 14930 | Libby, J L | 14907 | 15635 | | Mortimer, P H | 15354 |
| Kilian, J G | 15395 | Liebermann, H | 15323 | McCune, E L | 15520 | Morton, D J | 15141 |
| Kilpatrick, R A | 15097 | Lilly, V G | 15615 | McDaniel, A T | 15127 | Moscovici, C | 15415 |
| 15098 | | Lindauer, M | 14917 | McDaniel, L S | 15678 | Motobashi, T | 15475 |
| Kimble, K A | 15198 | Linder, D | 15687 | McDonald, H H | 14996 | Mouhry, R P | 15572 |
| King, J | 15205 | Linder, R C | 15099 | McDonald, I | 15659 | Moulton, J | 15416 |
| King, T H | 15025 | Lindner, R L | 15244 | McDonald, L E | 15300 | Mount, D I | 15603 |
| Kinman, M L | 15199 | Lindsey, D | 15634 | McEwen, P L | 14960 | Mueller, K E | 15091 |
| Kintner, L D | 15464 | Linero M, M Q De | 14908 | McGheehey, J H | 15245 | Mueller, W C | 15101 |
| Kirk, T K | 15630 | Linsey, N | 15113 | McGovern, T P | 14915 | Mulla, M S | 14977 |
| Kirkbride, C A | 15396 | Linsley, E G | 14827 | McGrath, H | 15128 | 14978, 14979, | 15573 |
| Kirkpatrick, H C | 15099 | Lisk, D J | 15564 | McGuffin, W C | 14831 | Mulligan, W | 15391 |
| Kitaguchi, G E | 15685 | 15656 | | McGuire, T C | 15385 | Mulrennan, J A | 14980 |
| Kitchell, R L | 15306 | Liska, R J | 15568 | McIntyre, W I M | 15391 | Munnecke, O E | 15162 |
| Klein, A K | 15571 | Liu, S C Y | 15110 | McKenzie, A R | 15648 | 15669 | |
| Kleinschmidt, W J | 15617 | Livingston, C H | 15111 | McKittick, R T | 15122 | Munroe, E | 14834 |
| Kling, J M | 15341 | Livne, A | 15112 | McLean, D M | 15129 | Murty, D K | 15310 |
| Klisiewicz, J M | 15100 | 15625 | | McMullen, R D | 14916 | 15417 | |
| Kludy, D H | 15124 | Lloyd, M K | 15473 | McMurtry, J A | 14832 | Musick, G J | 15246 |
| Knight, K L | 14976 | Lobl, K | 15431 | McNutt, S H | 15288 | Myrdal, G R | 15572 |
| Knippling, E F | 15266 | Loebenstein, G | 15113 | Meade, R J | 15330 | Nagel, W P | 15245 |
| Knutson, K W | 15111 | Lohmann, M | 14909 | Medina, A C | 15130 | Nair, K K | 14926 |
| Kohayashi, K | 15385 | Lokolo, A | 15536 | Medler, J T | 14833 | Nakata, G | 15424 |
| Konlynnyk, K W | 14902 | Longworth, J F | 14889 | Medugorac, I | 14917 | Narotsky, S | 15373 |
| Kodgson, W A | 15631 | Lopez F., I C | 15525 | Meher, G M | 15455 | Natti, J J | 15142 |
| Koenig, R | 15101 | Lopez, F | 14842 | Mehrotra, K N | 14918 | 15143 | |
| Kohls, G M | 14828 | Lorbeer, J W | 15094 | Meier, E J | 15570 | Neal, F C | 15410 |
| Kondos, A C | 15397 | Loschiavo, S R | 14910 | Meinecke, C F | 15300 | Nelson, K E | 15527 |
| Konev, Yu E | 15666 | Louloudes, S J | 14923 | Mejia, H J | 15432 | Nerney, N J | 15247 |
| Kosikowski, F V | 15575 | Low, D G | 15423 | 15433 | | Neunzig, H H | 14927 |
| Kotheimer, J R | 15102 | Lucas, J M S | 15402 | Meleney, W P | 15407 | Newcomer, J S | 15670 |
| Kothes, M E | 15301 | Luepschen, N S | 15151 | Mendel, J L | 15571 | Newell, I M | 14969 |
| Kottaridis, S D | 15358 | Luginhuhl, R E | 15332 | Mendlowski, R | 15408 | Newell, K W | 15316 |
| Kralik, O | 14865 | 15333, 15339, | 15388 | 15409 | | Newhook, P J | 15078 |
| Krauss, W C | 15346 | 15680 | | Menzies, J A | 15227 | Nichols, R E | 15457 |
| Kraybill, W H | 15409 | Luke, H H | 15114 | Mercer, H O | 15410 | Nickle, W R | 14928 |
| Kreier, J P | 15398 | 15115 | | Merkle, O G | 15098 | Nilsson, G I | 15144 |
| Kresse, J I | 15343 | Lukens, R J | 15116 | Merrifield, R G | 15050 | Nolan, V J | 15418 |
| Krupka, L R | 15034 | Lukezic, P L | 15037 | Messersmith, R E | 15411 | Nome, S F | 15145 |
| Krywienzyk, J | 14903 | Luttrell, E S | 15063 | Mezger, E G | 14919 | Norcross, N L | 15428 |
| Kuc, J | 14995 | Luvisi, D A | 15526 | Micks, D W | 14920 | Norris Jr, D M | 14947 |
| 15627 | | Lynch, J E | 15403 | Milbrath, J A | 15035 | Norris, J R | 14929 |
| Kuhn, C W | 15103 | Lysenko, O | 14911 | Miles, C I | 15550 | O'Brien, M J | 15146 |
| Kumar, D | 15104 | Mace, M E | 15117 | Miley, J L | 15379 | O'Meara, D C | 15691 |
| Kumar, S S | 14892 | Mackauer, M | 14830 | Millar, R L | 15624 | Oberlander, H | 14861 |
| Kuntz, J E | 15154 | Mackintosh, D O | 15464 | Miller, G W | 15217 | Oden, W R | 14996 |
| Kurtzman Jr, E H | 15632 | MacLeod, J | 15087 | Miller, O V | 15401 | 14997 | |
| L'Arrivee, J C M | 14904 | 15215 | | Miller, P | 15131 | Odihrin, R A | 15265 |
| L'Ecuver, C | 15474 | MacPhee, A W | 14912 | 15263, 15636 | | Offerman, G P | 15248 |
| Lacoste, L | 15140 | MacSwan, I C | 15071 | Miller, P M | 15264 | Ogata, M | 15419 |
| Ladisch, E K | 15531 | Maduevesi, J N C | 15118 | Miller, R E | 15132 | Ogawa, J M | 15147 |
| Ladisch, S K | 15531 | Magee, W E | 15401 | 15133 | | Okazaki, W | 15420 |
| Lagace, C F | 15224 | Maggenti, A R | 15261 | Miller, V A | 15392 | Olesiuk, O M | 15421 |
| Lake, B S | 15326 | Mahlau, E A | 15350 | Millikan, D F | 15134 | 15422 | |
| Lal, J R | 15311 | Mahoney, D F | 15517 | Minyard, J P | 15637 | Olive, A T | 14981 |
| Lal, K | 14829 | Mai, W F | 15082 | Mirocha, C J | 15135 | Oliver, W T | 15574 |
| Lal, S | 14918 | 15259 | | 15136, 15653 | | Olson, E O | 15129 |
| Lamar, W L | 15540 | Maine, E C | 15119 | Mishra, M D | 15159 | Olson, N O | 15383 |

AUTOR INDEX

Oppenheim, A

| | | | | | | | |
|---------------------|-------|---------------------|-------|--------------------|-------|--------------------|-------|
| Oppenheim, A | 15277 | Rai, K S | 14972 | Schafer, M L | 15580 | Sealley, E R | 15187 |
| Orellana, B G | 15148 | Rainey, R C | 14836 | Schalm, O W | 15477 | Seibert, R M | 15351 |
| 15199 | | Ramazzotto, L J | 14938 | Schechter, M S | 14948 | Seirnoff, W A | 14956 |
| Orr, C C | 15266 | Randolph, N M | 14877 | 14984 | | 14957 | |
| Osborne, C A | 15423 | Rankin, H W | 15640 | Schein, R O | 15167 | Smith Jr, R J | 15646 |
| Ose, E E | 15322 | Ranney, C O | 15158 | Schenck, N C | 15168 | Smith Jr, W L | 15188 |
| Osebold, J W | 15319 | Raun, E S | 14939 | Schieber, E | 15169 | Smith, C N | 14962 |
| Oteifa, R A | 15267 | 14940, 15234 | | Schindler, A P | 15270 | Smith, P P | 15189 |
| Ouye, M T | 14884 | Bavencroft, A V | 15137 | Schlegel, O E | 15190 | Smith, G N | 15582 |
| Owen, J H | 15639 | Rawitz, E | 15166 | Schmittle, S C | 15311 | Smith, R W | 15467 |
| Ozawa, Y | 15424 | Rawling, W A | 15541 | Schmitz, H | 15671 | Smith, J S | 15489 |
| Packer, R A | 15337 | Raychaudhuri, S P | 15159 | Schnathorst, W C | 15070 | Smith, L | 15254 |
| Page, L A | 15425 | Raymer, W B | 15146 | Schneider, H | 15089 | Smith, L M | 14843 |
| Page, O T | 15149 | Read, D C | 15249 | Schneider, I B | 15170 | Smith, M E | 14958 |
| Painter, B R | 14930 | Reddy, O V R | 15182 | Schneiderman, H A | 14861 | Smith, R H | 15251 |
| Palmer, J M A | 15575 | Redit, W H | 15188 | Schoof, H F | 14987 | Smith, R J | 15528 |
| Palmer, J S | 15610 | Reeves, W C | 14837 | Schricker, B L | 15302 | Smith, S C | 15358 |
| Palti, J | 15166 | Reid, B H | 15665 | Schroeder, W T | 15143 | Smith, S H | 15190 |
| Papavizas, G C | 15150 | Reilly, C | 15641 | 15157 | | Smith, V E | 15394 |
| Pappelis, A J | 15248 | Reisinger, R C | 15381 | Schroth, M N | 15171 | Smoot, J J | 15176 |
| Parker, K G | 15151 | 15382, 15452 | | Schulz, J T | 14949 | Snoeybos, G H | 15340 |
| Parsons, P A | 14931 | Renfro, R L | 15160 | Schulze, P | 15323 | Sojka, W J | 15473 |
| Patterson, A B | 15426 | Rensing, L | 14941 | Schuster, M L | 15172 | Soles, R L | 14888 |
| Patterson, O P | 15427 | Reyes, L | 15161 | Scott, O H | 15173 | Sommer, N P | 15526 |
| Patterson, M E | 15064 | Rich, S | 15196 | Scott, G R | 15492 | Soulebot, J P | 15338 |
| Patton, R F | 15104 | Richards, A G | 14942 | Scott, H A | 15174 | Sowell Jr, G | 15191 |
| Patton, R L | 14932 | Richardson, L. T. | 15162 | 15175 | | Sperling, P G | 15471 |
| Patty, B E | 15428 | Richardson, M D | 15355 | Scott, H G | 15460 | 15472 | |
| Pearce, G W | 15569 | Riekerk, H | 15539 | Scott, W L | 15461 | Spelman, A | 14959 |
| Peckham, M C | 15429 | 15544 | | Scriven, G T | 14832 | Spillane, J T | 15569 |
| Penick, A E | 15559 | Bistic, M | 15310 | 14950 | | Spishakoff, L M | 14842 |
| Pennell, J T | 14921 | 15398, 15453 | | Secher, K | 14841 | Spittstoesser, C M | 14960 |
| Perek, M | 15430 | Rivers, G W | 15199 | Seeger, K C | 15466 | Stahmann, M A | 15650 |
| Perk, K | 15431 | Robbins, W E | 14896 | Segall, R H | 15176 | Staples, R C | 15192 |
| Perman, V | 15423 | 14922, 14923, | 14952 | Segre, D | 15408 | 15652 | |
| Perry, V G | 15268 | Roberts, E D | 15474 | 15409 | | Stavely, J R | 15193 |
| Petermann, H G | 15338 | Robertson Jr, R S | 15163 | Sehgal, O P | 15655 | Steele, W | 15468 |
| Petersen, D H | 15042 | Robertson, J M | 15469 | Seliskar, C E | 15039 | Steele, A E | 15688 |
| Petersen, J J | 14933 | Robertstad, J W | 15454 | Sellers, A P | 15672 | Stein, B | 15534 |
| Peterson, D A | 15298 | Robinson, A G | 14943 | Sellers, R P | 15434 | Steiner, G W | 15647 |
| Peterson, J L | 15152 | Rochow, W F | 15164 | Service, J | 15514 | Steinhaus, E A | 14961 |
| Peterson, B S | 15153 | Rodin, J O | 14954 | Sesaki, K | 15303 | Stemp, A R | 15568 |
| Pfabler, P L | 15115 | Rodrigo, W R P | 15095 | Sevoian, M | 15462 | Sterne, M | 15469 |
| Phelps, W R | 15154 | Roedel, O F | 15455 | 15463 | | Stierli, H | 15665 |
| Phillippo, W | 15320 | Rogers, A J | 14980 | Shagrun, M A | 15070 | Stimmann, M W | 15194 |
| Phillips, P H | 15446 | Rogoff, W M | 15505 | Shalla, T A | 15177 | Stob, M | 15290 |
| Pieper, G R | 15576 | Roistacher, C N | 15021 | Sharma, V P | 14972 | Stoddard, E M | 15116 |
| Pier, A C | 15432 | Rolofson, G L | 15611 | Sharp, N | 15341 | 15264 | |
| 15433 | | Roneus, Otto | 15456 | Sharp, N C C | 15391 | Stokes, G M | 14982 |
| Piercy, S E | 15434 | Rose, J H | 15518 | Shatla, M N | 15178 | Stoliker, H E | 15309 |
| Pilchard, E I | 15435 | Rose, W E | 15165 | 15644 | | Stolzy, L H | 15272 |
| Pine, T S | 15155 | Rosen, A A | 15553 | Shaver, R J | 15515 | Stone, R D | 15371 |
| Pipber, R E | 14925 | Rosen, W G | 15457 | Shaw, J G | 14842 | Storherr, R W | 15601 |
| Pirone, T P | 15084 | Rosenberger, J K | 15326 | 14946, 14950 | | Storrs, E E | 15554 |
| Pirtle, E C | 15436 | Rosenbusch, R F | 15374 | Shaw, Z A | 14857 | Stover, D E | 15470 |
| 15437 | | Ross, A P | 15051 | Sbeets, L W | 15253 | Stover, L H | 15168 |
| Pittman, R | 15438 | Ross, H H | 14838 | Shelley, S | 15179 | Straw, J A | 15607 |
| Plackett, P | 15439 | Ross, J P J | 14848 | Shelton, D C | 15383 | Street, J C | 15390 |
| Plastridge, W N | 15301 | Ross, M H | 14944 | Shelton, G C | 15464 | Stretch, A W | 15523 |
| Plumber, G J | 15313 | Rotem, J | 15166 | Shepherd, R P | 14951 | Stretton, H M | 15648 |
| Poelma, P L | 15537 | Roth, A R | 15505 | Sherman, I | 15293 | Strobel, G A | 15649 |
| Pointer, G B | 15191 | Roth, E E | 15687 | Sherwood, R T | 15645 | Stromberg, M W | 15306 |
| Porter, M L | 15577 | Rothenbuhler, W C | 14971 | Shiffman, R | 15281 | Strout, E G | 15358 |
| Portocarrero, C A | 14807 | Rotkirk, H | 15121 | Shimizu, T | 15476 | 15491 | |
| Found, G S | 15084 | Rothschild, G H L | 14945 | Shipton, W A | 15020 | Stubbs, E L | 15471 |
| 15100 | | Roulston, W J | 15506 | Shoemaker, P B | 15109 | 15472 | |
| Powell, O | 15173 | Royse, H H | 15675 | Shortino, T J | 14952 | Sudia, W D | 14983 |
| Powning, R P | 14934 | Rozemeyer, R | 15352 | Shvetsova, O I | 14953 | Sullivan, W N | 14948 |
| Prasertphon, S | 14935 | Rudinsky, J A | 15250 | Siegel, R V | 15465 | 14962, 14984 | |
| Prewitt, J M | 15440 | Rudolph, K | 15642 | Silber, G | 15180 | Sulzbach, O | 14976 |
| Price, J | 15441 | Rudolph, Td | 15643 | Silberschmidt, K M | 15110 | Suseno, R | 15072 |
| Price, J I | 15356 | Ruehle, J L | 15269 | Silverstein, R M | 14954 | Sutherland, D J | 14985 |
| Price, K E | 15442 | Rumsey, R R | 15405 | Simmons, P | 15581 | 14986 | |
| Price, W C | 15028 | Russell, B | 15458 | Simpson, C P | 15304 | Svoboda, J | 14865 |
| Prier, J E | 15443 | Ryckman, R E | 14839 | Sinclair, J R | 15644 | Swanson, L E | 15488 |
| Prior, G O | 15639 | Sa, P | 15579 | Singh, Kamla | 15172 | Sweeney, E J | 15473 |
| Prochazka, Z | 15444 | Salisbury, P J | 15204 | Singh, S S | 14955 | Swenson, K G | 15194 |
| Protalio, D B | 15156 | Samejima, T | 15475 | Sinha, A K | 15181 | Switzer, W P | 15474 |
| Provvidenti, B | 15157 | Sanchez-Riviello, M | 14842 | Sinha, B C | 15182 | Sykes, J P | 15296 |
| Pruess, K P | 14835 | 14946 | | Sippell, W L | 15214 | Szyszkiewicz, T E | 15272 |
| Purvance, G T | 15445 | Sandefur, J R | 15369 | Sisler, H O | 15206 | Tabo, R | 15514 |
| Putman, W L | 14936 | Sanford, K H | 14912 | Sitterly, W R | 15183 | Tajima, M | 15475 |
| Putman, Wm L | 14937 | Sanger, V L | 15325 | Sivasubramanian, P | 14926 | 15476 | |
| Puttler, B | 14878 | Santana, P J | 14975 | Skaiff, V | 14959 | Takahashi, N | 15673 |
| Pyke, B E | 15446 | Sass, E | 15411 | Skamser, L M | 15466 | Takahashi, W N | 15208 |
| Backham, E L | 15272 | Sasser, J N | 15257 | Skold, R H | 15305 | Tamashiro, M | 14963 |
| Radomski, J L | 15578 | Saunders, J L | 14947 | Skotland, C R | 15184 | Tammen, J | 15195 |
| Radostits, O M | 15447 | Saxena, S P | 15387 | 15185 | | Tanada, Y | 14964 |
| Raggi, L G | 15448 | Schaefer, K | 15459 | Smale, R C | 14901 | Tarshis, I B | 15507 |
| 15449, 15450, 15451 | | Schaeffer, C W | 14840 | 15186 | | Tashiro, H | 14883 |

AUTHOR INDEX

O'Meara, D C

| | | | | | |
|----------------------|-------|------------------|-------|---------------|-------|
| Tawfik, M P S | 14854 | Wehh, R E | 15218 | Zurabova, E R | 14953 |
| Taylor, A | 15354 | Weber, C R | 15045 | O'Meara, D C | 15500 |
| Taylor, G S | 15196 | Weber, D J | 15650 | | |
| 15264 | | Weber, G F | 15040 | | |
| Taylor, J | 15197 | Webster, R E | 15215 | | |
| Taylor, K L | 14965 | Wedman, E E | 15360 | | |
| Taylor, P J | 15336 | Weidhaas, D E | 14967 | | |
| Taylor, R H | 15198 | Weierich, A J | 15662 | | |
| Taylor, E T | 14987 | Weil, E D | 15670 | | |
| Teasley, J I | 15545 | Weinhold, A R | 15216 | | |
| Terriere, L C | 15250 | Weinstein, L H | 15017 | | |
| Thakur, R N | 15085 | Welkie, G W | 15217 | | |
| Theilen, G H | 15477 | Wells, J M | 15092 | | |
| Theis, T | 15022 | Wene, G P | 15253 | | |
| 15023 | | Werner, F G | 14845 | | |
| Theisen, F | 14992 | Wester, R E | 15218 | | |
| Thomas, C A | 15199 | Weston, C R | 15491 | | |
| Thomas, K K | 14966 | Wharton, R H | 15506 | | |
| Thompson, A | 15469 | Wheeler, G P | 15676 | | |
| Thompson, A C | 15637 | Wheeler, H | 15651 | | |
| Thompson, H E | 15612 | White, E R | 15689 | | |
| Tinsley, T W | 14889 | White, F H | 15309 | | |
| Toba, H H | 15200 | White, G | 15492 | | |
| Toole, E R | 15271 | White, K E | 14973 | | |
| Torell, P J | 15282 | White, R E | 15547 | | |
| Torgeson, D C | 15628 | Wichman, R W | 15493 | | |
| Tourtelotte, M E | 15389 | Wicker, E F | 15283 | | |
| Transtum, L G | 15445 | Wiebel, P J | 15219 | | |
| Tremaine, J H | 14999 | Wijers, D J R | 14846 | | |
| Trenchi, H | 15478 | Wilhelm, S | 15018 | | |
| Tripathy, S S | 15479 | Willers, E H | 15432 | | |
| Trenchlood, M S | 15406 | 15433 | | | |
| Trujillo, E E | 15037 | Williams, E R | 15627 | | |
| Trujillo, P | 14842 | Williams, J C | 15519 | | |
| Truscott, R R | 15412 | Williams, L F | 15301 | | |
| 15480 | | Williams, M C | 15494 | | |
| Trussell, P C | 15252 | Williams, P H | 15652 | | |
| Truszczyński, M | 15307 | Williams, P J | 14872 | | |
| Tsyganov, V A | 15666 | Willrich, T L | 15548 | | |
| Tubiash, R S | 15308 | Wills, C G | 15480 | | |
| Tucker, J F | 15370 | Wilson, E E | 15135 | | |
| Tumlinson, J H | 15637 | Wilson, E F | 15136 | | |
| Turner, G D | 15296 | Wilson, H G | 14847 | | |
| Tyler, D E | 15357 | Wilson, J D | 15220 | | |
| Tyo, R H | 15583 | Wilson, R A | 14901 | | |
| Underwood, G R | 14844 | 15186 | | | |
| University Of Maine, | 15677 | Winstead, N N | 15125 | | |
| Urie, A L | 15222 | Winter, A J | 15288 | | |
| Vaartaja, O | 15204 | Winterfield, R W | 15495 | | |
| 15205 | | Wiseman, J S | 14983 | | |
| Vadlamandi, S | 15486 | Wistreich, G A | 14924 | | |
| Valenta, J R | 15206 | 14968 | | | |
| Van Der Maaten, M J | 15357 | Woke, T R | 14983 | | |
| Van Etten, H D | 15207 | Womeldorf, D J | 14973 | | |
| Van Gundy, S D | 15272 | Wood, R K S | 15181 | | |
| Van Kammen, A | 15208 | Woodard, D R | 14933 | | |
| Van Kampen, K R | 15487 | Woodley, C H | 15341 | | |
| Van Boeckel, H | 15421 | Woods, L K | 15437 | | |
| 15422 | | Woods, W D | 15520 | | |
| Vaughn, J B | 15316 | Wrich, M J | 15502 | | |
| Vavra, J F | 15248 | Wright, K A | 14969 | | |
| Venard, C E | 14900 | Wright, M L | 15496 | | |
| Vincent, M | 15174 | 15497 | | | |
| Vincent, M M | 15175 | Wyant, Z N | 15400 | | |
| Volcani, Z | 15209 | Wyatt, I J | 15241 | | |
| 15210 | | Yalcin, N | 15414 | | |
| Voros, J | 15211 | Yamaguchi, A | 15056 | | |
| Voth, V | 15018 | Yamaguchi, S | 15277 | | |
| Wade, A E | 15488 | Yamamoto, R | 15395 | | |
| Wadsworth, D F | 15212 | Yang, S P | 15217 | | |
| Wagington, J | 15489 | Yarwood, C E | 15059 | | |
| Wagner, J R | 15675 | 15221 | | | |
| Walden, C C | 15252 | Yassin, A M | 15274 | | |
| Walker, J B | 14848 | Yates, V J | 15349 | | |
| Walker, J W | 15535 | Yates, W E | 15147 | | |
| Walker, K C | 15559 | Yeoman, G H | 14848 | | |
| Walker, S J M | 15508 | Yeomans, A H | 14948 | | |
| Walkinshaw, C H | 15273 | 14984 | | | |
| Wallbank, A M | 15471 | Zabran, G E D | 15498 | | |
| Walter, W G | 15490 | 15499 | | | |
| Walton, G S | 15523 | Zak, B | 15275 | | |
| Walton, M S | 15571 | Zaki, A I | 15653 | | |
| Washino, R K | 14988 | Zarkower, A | 15677 | | |
| Waters, I W | 15607 | Zaunmeyer, W J | 15174 | | |
| Watkins, J R | 15324 | Zentmyer, G A | 15138 | | |
| Watson, B S | 15582 | Zimmer, D E | 15222 | | |
| Watson, R D | 15213 | Zirk, E | 15227 | | |
| Watson, W Y | 15214 | Zolli Jr, Z | 15442 | | |
| Watts, B R | 15601 | Zscheile Jr, P P | 15120 | | |
| Weaver, L O | 15092 | Zucker, M | 15654 | | |

ORGANIZATION INDEX

| | | | | | |
|--|-------|--|-------|-------|-------|
| Agricultural Experiment Station University Of Idaho | 15258 | Canadian Dept. Of Agriculture, Harrow, Ontario Research Station | | | 15623 |
| Agricultural Marketing Service Horticultural Crops Branch | | Central Experiment Station, Centeno, Trinidad, West Indies | | | |
| U. S. Dept. Of Agriculture, Orlando, Fla. | 15176 | 14820 | | | |
| Agricultural Research Center, Beltsville, Md. | | Central Veterinary Laboratory, Weybridge | 15355 | | 15473 |
| Agricultural Research Service | | 1551B | | | |
| Animal Husbandry Research Division | | Central Veterinary Laboratory, Weybridge, England | | | 15426 |
| Dairy Cattle Research Branch | 15296 | Chas. Pfizer And Co., Inc., Terre Haute, Ind. | | | 15442 |
| Agricultural Research Council | | Chile Ministry of Agriculture, Santiago | | | 1500B |
| Pest Infestation Laboratory | 15696 | Citrus Experiment Station | | | |
| Agricultural Research Service | | University Of California, Riverside | | | 15689 |
| Crops Research Division | | Clemson College, Charleston, S. C. | | | |
| U. S. Dept. Of Agriculture, Beltsville, Md. | 15199 | Truck Experiment Station | | | 151B3 |
| Agricultural Research Service | | Clemson University, Clemson, S.C. | | | |
| U. S. Dept. Of Agriculture | | Dept. Of Botany And Bacteriology | | | 15006 |
| Entomology Research Division | 14962 | College Of Science, Nagpur, India | | | |
| Agricultural Research Service | | Dept. Of Zoology | | | 14897 |
| U. S. Dept. Of Agriculture, Beltsville, Md. | | Colonel Nelson Swift Morris Research Foundation | | | 15602 |
| Entomology Research Division | 1527D | Colorado State University, Fort Collins | | | |
| Agricultural Research Service | | College Of Veterinary Medicine | | | |
| U. S. Dept. Of Agriculture, Raleigh, N. C. | 15645 | Agricultural Experiment Station | | | 15376 |
| Agricultural Research Station, Rehovot, Israel | 15113 | Colorado Agricultural Experiment Station, Fort Collins | | | 15111 |
| American Cyanamid Co., Princeton, N. J. | | Colorado State University, Fort Collins | 15DD0 | | 15634 |
| Agricultural Division | 15466 | Colorado State University, Fort Collins | | | |
| American Cyanamid Company, Princeton, N. J. | | Agricultural Experiment Station | | | |
| Research and Development Department Laboratories | 15411 | College Of Veterinary Medicine | | | 15378 |
| American Scientific Laboratories, Inc., Madison, Wis. | 15495 | Colorado State University, Fort Collins | | | |
| Anti-Locust Research Center, London | 14836 | College Of Veterinary Medicine | | | |
| Arizona Agricultural Experiment Station, Mesa | | Agricultural Experiment Station | 15377 | | 15392 |
| Dept. Plant Pathology | 15122 | Colorado State University, Fort Collins | | | |
| Armed Forces Institute Of Pathology, Washington, D. C. | 153D5 | Dept. Of Pathology And Bacteriology | | | |
| Atomic Energy Establishment, Trombay, Bombay, India | 14926 | Experiment Station | | | 15454 |
| Biology Division | | Connecticut Agricultural Experiment Station, New Haven | | | 15654 |
| Auburn University, Ala. | 15348 | 15660 | | | |
| Dept. Of Animal Disease Research | | Conselho Nacional de Pesquisas | | | 15110 |
| Auburn University, Ala. | | Cornell University | 14801 | 14819 | 14925 |
| School Of Veterinary Medicine | | Dept. Of Entomology | | | 14932 |
| Dept. Of Physiology And Pharmacology | 15289 | Cornell University | | | |
| Boyce Thompson Institute, Yonkers, N. Y. | 15067 | Dept. Of Entomology | | | |
| Boyce Thompson Institute, Yonkers, N. Y. | 15D17 | Pesticide Residue Laboratory | | | 15564 |
| Bristol Myers Company, New York, N.Y. | 15671 | Cornell University | | | |
| C.S.I.R.O. Veterinary Parasitology Laboratory, Brisbane | | Dept. Of Plant Pathology | 15151 | | 15207 |
| Division Of Animal Health | 15517 | Cornell University, Ithaca | | | |
| Cairo University, Giza | | Esticide Residue Laboratory | | | 15656 |
| Dept. Of Plant Protection | 15267 | Cornell University, Ithaca, N. Y. | 15D94 | | 15624 |
| California Dept. Of Agriculture, Lancaster, California | | Cornell University, Ithaca, N. Y. | | | |
| Poultry Pathology Laboratory | 15318 | Dept. Of Plant Pathology | | | 15D82 |
| California State Dept. Of Public Health | | Cornell University, Ithaca, N.Y. | | | 15132 |
| Bureau Of Vector Control | 15686 | Cornell University, Ithaca, New York | | | 15259 |
| Canada Agriculture Research Station, Fredericton | 150D9 | Cornell University, Ithaca, New York | | | |
| Canada Agriculture Research Station, Saskatoon, Saskatchewan | | Dept. Of Food Science | | | 15575 |
| Forest Biology Section | 15204 | CSAV, Prague, Czechoslovakia | | | |
| Canada Dept. Of Agriculture Research Station, New Brunswick | 15631 | Institute Of Entomology | | | |
| Canada Dept. Of Agriculture Research Station, Winnipeg | 1491D | Dept. Of Insect Pathology | | | 14911 |
| Canada Dept. Of Agriculture, Belleville | | Czechoslovak Academy Of Sciences, Prague | | | |
| Entomology Research Institute For Biological Control | | Institute Of Experimental Botany | | | |
| Research Branch | 15276 | Dept. Of Plant Pathology | | | 14865 |
| Canada Dept. Of Agriculture, Belleville | | Delaware Agricultural Experiment Station, Newark | | | |
| Research Institute | 14824 | Department Of Plant Pathology | | | 15219 |
| Canada Dept. Of Agriculture, Belleville, Ontario | | Delaware Agricultural Experiment Station, Newark | | | |
| Research Branch | | Dept. Of Plant Pathology | | | 15029 |
| Entomology Research Institute For Biological Control | 14867 | Demler Farms, Anaheim, California | | | 15342 |
| 15226 | | Department Of Agronomy | | | |
| Canada Dept. Of Agriculture, Belleville, Ontario | | University Of California, Davis | | | 15120 |
| Research Branch | | Dept. Of Agriculture, Issimnee, Fla. | | | |
| Research Institute | 14928 | Laboratories Division | | | 15359 |
| Canada Dept. Of Agriculture, Belleville, Ontario | | Dept. Of Agriculture, New Zealand | | | |
| Research Institute | 14830 | Ruakura Animal Research Station | | | 15354 |
| Canada Dept. Of Agriculture, Brandon, Manitoba | 14904 | Dept. Of Agriculture, Ottawa, Canada | | | |
| Canada Dept. Of Agriculture, Fredericton, New Brunswick | | Forest Biology Division | | | |
| Research Station | 15149 | Research Branch | | | 14853 |
| Canada Dept. Of Agriculture, Kentville, N. S. | 14912 | Dept. Of Agriculture, Victoria, Australia | | | 15198 |
| Research Station | | Dept. Of Animal Diseases | | | |
| Canada Dept. Of Agriculture, Kentville, Nova Scotia | 15242 | University Of Connecticut, Storrs | | | 15389 |
| Research Station | 15007 | Dept. Of Botany And Plant Pathology | | | |
| Canada Dept. Of Agriculture, La Pocatiere, Quebec | | Oregon State University, Corvallis | | | 15071 |
| Canada Dept. Of Agriculture, Ottawa | 14834 | Dept. Of Microbiology | | | |
| Entomology Research Institute | 15249 | Ontario Agricultural College, Guelph, Canada | | | 15496 |
| Canada Dept. Of Agriculture, Prince Edward Island | | Dept. Of Plant Pathology | | | |
| Research Laboratory | 14916 | University Of Kentucky | | | 15D72 |
| Canada Dept. Of Agriculture, Summerland, British Columbia | 14936 | Dept. Of Plant Pathology And Botany | | | |
| Research Station | 14903 | University Of Minnesota, St. Paul | | | 15525 |
| Canada Dept. Of Forestry, Sault Ste. Marie, Ontario | 14957 | Dept. Of Veterinary Science | | | |
| Insect Pathology Research Institute | | University Of Wisconsin | | | 15288 |
| Canada Dept. Of Forestry, Sillery, Quebec | | Dept. Of Veterinary Science | | | |
| | | University Of Wisconsin, Madison | | | 15486 |
| | | Depts. Of Plant Pathology And Pomology | | | |
| | | New York State Agricultural Experiment Station, Geneva | | | |
| | | 15060 | | | |
| | | Dow Chemical Co., Lake Jackson, Texas | | | 15515 |

ORGANIZATION INDEX

| | | | |
|--|-------|---|-------------------|
| Dow Chemical Company, Midland, Michigan Biomechanisms Laboratory | 15582 | Louisiana Agricultural Experiment Station, Baton Rouge | 15233 |
| Dr. Salsbury's Laboratories, Charles City, Iowa Research Division | 15405 | Louisiana Agricultural Experiment Station, Homer | 15050 |
| East African Veterinary Research Organization, Muguga, Kenya | 15492 | North Louisiana Hill Farm Experiment Station | 15178 |
| East Malling Research Station, Maidstone, England | 15001 | Louisiana State University | 14871 |
| Eli Lilly And Co., Greenfield, Ind. | 15321 | Louisiana State University | 14816 |
| Entomology Laboratory, Guelph, Canada | 14868 | Dept. Of Entomology | 14869 |
| Everglades Experiment Station, Belle Glade, Fla. | 15513 | Louisiana State University, Baton Rouge | 15123 |
| Faculty Of Agriculture, Sbambat, Khartoum, Sudan | 15274 | Sweetpotato Research Center | 15014 |
| Farm Chemicals | 15692 | Louisiana State University, Baton Rouge | 15664 |
| Fitzsims General Hospital, Denver, Colo. | | Louisiana State University, Baton Rouge | 15687 |
| U. S. Army Medical Research And Nutritional Laboratory | 15298 | College Of Agriculture | |
| Florida Agricultural Experiment Station, Gainesville | 15304 | Dept. Of Veterinary Science | 15461 |
| Dept. Of Veterinary Science | | Louisiana State University, Baton Rouge | 15262 |
| Florida Agricultural Experiment Station, Leesburg | 15168 | Dept. Of Plant Pathology | 15542 |
| Watermelon And Grape Investigations Laboratory | | Louisiana Wild Life And Fisheries Commission, Monroe | 15334 |
| Florida Dept. Of Agriculture, Kissimmee | 15682 | Massachusetts Agricultural Experiment Station, Amherst | 15402 |
| Animal Disease Diagnostic Laboratory | | Dept. Of Veterinary Science | 15675 |
| Food and Agriculture Organization of the United Nations | 15350 | May And Baker Ltd. | 14958 |
| Fordham University | | Veterinary Research Division | 14876 |
| University Biology Dept. | 14938 | Merck And Company, Inc, Rahway, N J | 15105 |
| Forest Biology Laboratory, Truro, N. S., Canada | 14811 | Michigan State University | |
| Forest Insect And Disease Lab., Delaware, Ohio | 15039 | Dept. Of Entomology | 14864 |
| Forest Insect Laboratory, Sault Ste. Marie, Ontario, Canada | 15214 | Michigan State University, East Lansing | 15169 |
| Forest Research Laboratory, Fredericton, New Brunswick | | Michigan State University, East Lansing | 15027 |
| Dept. Of Forestry And Rural Development | 14844 | Department Of Botany And Plant Pathology | 15649 |
| Georgia Coastal Plant Experiment Station, Tifton | 15088 | Michigan State University, East Lansing | |
| Georgia Experiment Station, Experiment | | Dept. Of Entomology | 15056 |
| Department Of Plant Pathology | 15073 | Ministerio De Agricultura, Guatemala, C.A. | 15166 |
| Georgia Experiment Station, Experiment, Ga. | | Mississippi State Plant Board, State College | 15360 |
| Dept. Of Plant Pathology | 15103 | Montana State College, Bozeman | 14927 |
| Georgia Mountain Experiment Station, Blairsville | | Nagoya University, Nagoya, Japan | |
| Dept. Of Plant Pathology | 15197 | Faculty Of Agriculture | |
| Gorgas Memorial Laboratory, Panama | 14899 | Plant Pathology Laboratory | 15030 |
| Guinobatan Experiment Station, Philippines | 15156 | National And University Institute Of Agriculture, Rehovot | 15367 |
| Harvard School Of Public Health | | Dept. Of Plant Pathology | 14960 |
| Dept. Of Tropical Public Health | 14959 | National Animal Disease Laboratory, Ames | 15293 |
| Hebrew University, Jerusalem, Rehovot, Israel | | National Pest Control Association, Elizabeth, N.J. | 15356 |
| Faculty Of Agriculture | 15430 | National University, Montevideo, Uruguay | 15365 |
| Dept. Of Animal Hygiene And Poultry Science | | Veterinary College | |
| Hebrew University, Rehovot, Israel | 15431 | Dept. Of Poultry Husbandry | 15478 |
| Faculty Of Agriculture | 15694 | National-University Inst. Of Agriculture, Rehovot, Israel | |
| Home State Farm Publications, Cleveland, Ohio | 15670 | 15209 15210 | |
| Hooker Chemical Corporation, Niagara Falls, New York | | New Jersey Agricultural Experiment Station | 15030 |
| Horses | | New Jersey Agricultural Experiment Station, New Brunswick | |
| Livestock Diseases | | 15031 15522 | |
| Nematodes | | New Mexico State University, University Park | |
| Trichostrongylus Axiei | 15400 | Dept. Of Poultry Husbandry | 15367 |
| Houghton Poultry Research Station, Houghton, Huntingdon | | New York State Agricultural Experiment Station, Geneva | 14960 |
| 15370 | | 15142 | |
| Humble Oil And Refining Company, Houston, Texas | 15663 | New York State Dept. Of Health, Albany | |
| Illinois Natural History Survey, Urbana | 14838 | Division Of Laboratories And Research | |
| Indian Agricultural Research Institute, New Delhi | | New York State Veterinary College, Eastport, Long Island | 15293 |
| Division Of Mycology And Plant Pathology | 15159 | Duck Disease Research Laboratory | |
| Insect Pathology Research Institute, Sault Ste. Marie, Ont. | 14662 | Dept. Of Pathology And Bacteriology | 15356 |
| Institut Fuer Biologische Schaedlingsbekaeampfung, Darmstadt | | New York State Veterinary College, Ithaca | |
| Biologische Bundesanstalt Fuer Land-und Forstwirtschaft | 14894 | Dept. Of Avian Diseases | 15365 |
| Institute Of Legal Medicine, Porto, Portugal | | New York State Veterinary College, Ithaca, N. Y. | |
| Laboratory Of Toxicology | 15579 | Dept. Of Pathology And Bacteriology | 15331 15362 15363 |
| Institute Of Zootechnics In Poland, Cracow | | 15364 15429 15441 | |
| Sericultural Breeding Dept. | 14885 | New York State Veterinary College, Kingston | |
| Instituto Venezolano De Investigaciones Cientificas, Caracas | 14860 | Branch Laboratory | 15340 |
| Departamento De Virologia | | Nippon Institute For Biological Science, Tokyo, Japan | 15475 |
| Iowa State University Of Science And Technology, Ames | | Nippon Institute For Biological Science, Tokyo, Japan | 15476 |
| College Of Veterinary Medicine | 15474 | North Carolina State College, Raleigh | 14981 |
| Veterinary Medical Research Institute | | North Carolina State College, Raleigh | |
| Iowa State University, Ames | 14971 | Dept. Of Plant Pathology | 15257 |
| Dept. Of Zoology And Entomology | 15234 | North Carolina State College, Raleigh, N. C. | 15344 |
| Jamaica Ministry Of Agriculture And Lands, Hope | 15106 | Dept. Of Poultry Science | |
| Kansas Agricultural Experiment Station, Hays | 15503 | North Carolina State Of University Of No. Carolina, Raleigh | |
| Port Hays Branch | | 15630 | |
| Kansas State University, Manhattan | 15047 | North Central Regional Cooperative Research Project | |
| Dept. Of Botany And Plant Pathology | 15058 | Investigation On Oak Wilt | 15154 |
| Kenya Forest Dept. | 15459 | North Dakota Agricultural Experiment Station, Fargo | 14949 |
| Kimber Farms, Inc., Miles, California | | Ohio Agricultural Experiment Station, Wooster | 15220 |
| Laboratory For Research On Insecticides, Wageningen, Neth. | 14891 | Ohio Agricultural Experiment Station, Wooster | |
| Laboratory Of Forest Biology, Calgary, Canada | 14951 | Dept. Of Botany And Plant Pathology | 15107 |
| Lake County Mosquito Abatement District | 15239 | Ohio Agricultural Experiment Station, Wooster | |
| Latrohe University | 14931 | Dept. Of Veterinary Science | 15325 |
| School Of Biological Sciences | | Ohio State University | 15016 |
| Loma Linda University | 14839 | Ohio State University | |
| Dept. Of Microbiology | | Dept. Of Zoology And Entomology | 14900 |
| | | Ohio State University, Columbus | |
| | | Dept. Of Veterinary Pathology | 15375 |
| | | Oklahoma Agricultural Experiment Station | 15013 |
| | | Oklahoma Agricultural Experiment Station, Stillwater | 15012 |

ORGANIZATION INDEX

| | | | |
|--|-------------|--|-------------------------|
| Oklahoma State University, Stillwater | | The Rockefeller Foundation, Calle Londres, Mexico | 1513D |
| Dept. Of Physiology And Pharmacology | 153D0 | The Bowett Research Institute, Bucksburn, Aberdeen | 15659 |
| Ontario Agricultural College, Guelph, Ont., Canada | | The Wellcome Research Laboratories, Beckenham, Kent | 15434 |
| Dept) Of Microbiology | 15497 | Tropical Pesticides Research Institute, Arusha, Tanzania | |
| Ontario Veterinary College, Guelph | | 15081 | |
| Dept. Of Anatomy | 15294 | U. S. Army Chemical Corps, Fort Detrick, Md. | |
| Ontario Veterinary College, Guelph | | Biological Laboratories | 15019 |
| Dept. Of Physiological Sciences | 15574 | U. S. Department of Agriculture | |
| Ontario Veterinary College, Guelph, Canada | | Forest Service | |
| Dept. Of Pathology And Bacteriology | 1548D | Institute of Forest Genetics, Rhinelander, Wisconsin | 15643 |
| Ontario Veterinary College, Guelph, Ont., Canada | | U. S. Department of Health, Education and Welfare | |
| Dept. Of Pathology And Bacteriology | 15412 | Public Health Service | |
| Oregon Agricultural Experiment Station, Corvallis | | Bureau of State Services (environmental Health) | |
| Dept. Of Agricultural Chemistry | 15560 | Office of Pesticides | 15554 |
| Oregon State College | | U. S. Dept Of Agriculture | |
| Entomology Dept. | 15250 | Agricultural Research Service | |
| Oregon State College, Corvallis | | Crops Research Division | 15097 |
| Dept. Of Botany And Plant Pathology | 15035 | U. S. Dept. Of Agriculture | 15D52 |
| Oregon State University | 15633 | U. S. Dept. Of Agriculture | |
| Oregon State University, Corvallis | | Agricultural Research Service | |
| Agricultural Experiment Station | | Crops Research Division | 15070 15129 |
| Dept. Of Veterinary Medicine | 15395 | U. S. Dept. Of Agriculture | |
| Oxford University | | Agricultural Research Service | |
| Commonwealth Forestry Institute | | Crops Research Division | |
| Insect Pathology Unit | 14889 | University Of Minnesota, St. Paul | 15201 |
| Pan American Foot-and-Mouth Disease Center, Bio de Janeiro | | U. S. Dept. Of Agriculture | |
| 15498 15499 | | Agricultural Research Service | |
| Pennsylvania Agricultural Experiment Station | | Crops Research Service | 15063 |
| Dept. Of Botany And Plant Pathology | 15195 | U. S. Dept. Of Agriculture | |
| Pennsylvania State University | 15563 | Agricultural Research Service | |
| Pennsylvania State University, University Park | 15372 15638 | Plant Quarantine Division | |
| Prizer Therapeutic Institute, Maywood, N.J. | | Plant Importations Branch | 15255 |
| Parasitology Laboratory | 15403 | U. S. Dept. Of Agriculture | |
| Phillips-Duphar (n.v.) | | Crops Research Division | 15087 |
| Economic And Market Research Department | 15695 | U. S. Dept. Of Agriculture Research Station, Salinas, Calif. | |
| Plum Island Animal Disease Laboratory, Greenport, N. Y. | | 15D43 | |
| 15490 | | U. S. Dept. Of Agriculture, Ames, Iowa | |
| Punjab University, Chandigarh, India | 15622 | Agricultural Research Service | |
| Purdue University | | Animal Disease Eradication Division | |
| Agricultural Experiment Station | 15065 | Leptospirosis Unit | 15337 |
| Purdue University | | U. S. Dept. Of Agriculture, Ankeny, Iowa | |
| School Of Veterinary Science And Medicine | | Agricultural Research Service | |
| Department Of Physiology And Pharmacology | 15455 | Entomology Research Division | 14939 |
| Purdue University, Lafayette, Ind. | 14995 | U. S. Dept. Of Agriculture, Asheville, N. C. | |
| Purdue University, Lafayette, Ind. | | Forest Service | |
| Dept. Of Animal Science | 15290 | Southeastern Forest Experiment Station | |
| Purdue University, Lafayette, Ind. | | Division Of Forest Disease Research | 15078 |
| Dept. Of Botany And Plant Pathology | 15618 | U. S. Dept. Of Agriculture, Beltsville, Md | |
| Purdue University, Lafayette, Ind. | | Agricultural Research Service | |
| Dept. Of Entomology | 15048 15200 | Animal Disease And Parasite Research Division | |
| Regional Research Centre (oilseeds And Millets), Kanpur | | National Animal Disease Laboratory | 15371 |
| 15085 | | U. S. Dept. Of Agriculture, Beltsville, Md. | 149D1 15186 |
| Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Me. | 15386 | 15189 15215 15218 | |
| Bothamsted Experimental Station, Harpenden, England | 14855 | U. S. Dept. Of Agriculture, Beltsville, Md. | |
| 14905 | | Agricultural Marketing Service | |
| Bowett Research Institute, Bucksburn, Aberdeen | 15672 | Market Quality Research Division | 15188 |
| Boyal Veterinary College, London, England | | U. S. Dept. Of Agriculture, Beltsville, Md. | |
| Dept. Of Pathology | 15345 | Agricultural Research Service | 15D93 |
| Butgers - The State University, New Brunswick, N.J. | 15109 | U. S. Dept. Of Agriculture, Beltsville, Md. | |
| Butgers State University | 14907 | Agricultural Research Service | |
| Butgers University, New Brunswick, N. J. | 15265 | Animal Disease And Parasite Research Division | |
| San Jose State College, Calif. | 14893 | Bacterial And Mycotic Diseases Section | 15382 |
| Seattle University | 14821 | U. S. Dept. Of Agriculture, Beltsville, Md. | |
| Sericultural Experiment Station, Suginami-ku, Tokyo, Japan | | Agricultural Research Service | |
| 14850 | | Animal Disease And Parasite Research Division | |
| South Illinois University, Carbondale | | National Animal Disease Laboratory | 15381 |
| Dept. Of Plant Industries | 15248 | U. S. Dept. Of Agriculture, Beltsville, Md. | |
| Stanford Research Institute, Menlo Park, California | | Agricultural Research Service | |
| Life Sciences Division | 14954 | Crops Research Division | 15004 15146 15150 15174 |
| State Dept. Of Agriculture, Sacramento, California | | 15180 | |
| Division Of Animal Industry | | U. S. Dept. Of Agriculture, Beltsville, Md. | |
| Bureau Of Livestock Disease Control | 15470 | Agricultural Research Service | |
| State University Of New York, Stony Brook | | Parasite Research Division | 15315 |
| Dept. Of Biological Sciences | 14870 | U. S. Dept. Of Agriculture, Beltsville, Md. | |
| State University Of South Dakota, Vermillion | | Crops Research Division | |
| School Of Medicine | | Plant Virology Laboratory | 15175 |
| Dept. Of Microbiology And Public Health | 15436 | U. S. Dept. Of Agriculture, Davis, California | |
| Stanffer Chemical Co., Mountain View, Calif. | | Agricultural Research Service | |
| Biological Research Center | 15662 15684 | Crops Research Division | 15202 |
| Swedish Plant Protection Institute | 15144 | U. S. Dept. Of Agriculture, Experiment, Ga. | |
| Tea Research Institute, Talawakele, Ceylon | 15095 | Agricultural Research Service | |
| Tennessee Agricultural Experiment Station, Knoxville | 15046 | Crops Research Division | 15191 |
| Texas Agricultural Experiment Station | 15161 | U. S. Dept. Of Agriculture, Greenport, Long Island, N. Y. | |
| Texas Agricultural Experiment Station, College Station | | Agricultural Research Service | |
| Dept. Of Veterinary Microbiology | 15413 | Animal Disease And Parasite Research Division | |
| Texas Agricultural Experiment Station, Welaco | 15237 | Plum Island Animal Disease Laboratory | 15352 |
| The Pennsylvania State University | | U. S. Dept. Of Agriculture, Greenport, N. Y. | |
| Veterinary Science Dept. | 15373 | Agricultural Research Service | |
| The Pennsylvania State University, Arendtsville | | Animal Disease And Parasite Research Division | |
| Fruit Research Laboratory | 15223 | Plum Island Animal Disease Laboratory | 15308 15428 |

ORGANIZATION INDEX

PAGE 126

ORGANIZATION INDEX

| U.S. Food and Drug Administration, Washington, D.C. | 15558 | Citrus Experiment Station | | | |
|--|-------|---|-------|-------|-------|
| Division Of Food Standards And Additives | 15599 | Dept. Of Biological Control | | | 15224 |
| U.S. Food and Drug Association | 15485 | University Of California, Riverside | | | |
| U.S. Livestock Sanitary Association | | Dept. Of Biological Control | | | 14832 |
| U.S. Public Health Service | | University Of California, Riverside | | | |
| Bureau Of State Services | 15611 | Dept. Of Entomology | 14881 | | 14882 |
| U.S. Public Health Service, Atlanta | | University Of California, Riverside | | | |
| Communicable Disease Center | 14983 | Dept. Of Horticultural Science | | | 15279 |
| U.S. Public Health Service, Atlanta | | University Of California, Riverside | | | |
| Communicable Disease Center | | Dept. Of Horticulture | | | 15528 |
| Technology Branch | | University Of California, Riverside | | | |
| Toxicology Section | 15606 | Dept. Of Plant Pathology | 15021 | | 15203 |
| U.S. Public Health Service, Cincinnati | | University Of California, Riverside | | | |
| Robert A. Taft Sanitary Engineering Center | | Division Of Life Sciences | | | 14969 |
| Food Chemistry Unit | 15600 | University Of California, Riverside | | | |
| U.S. Public Health Service, Perrine, Florida | | Citrus Research Center | | | 14977 |
| Pesticides Program | | University Of Cambridge | | | |
| Pesticides Research Laboratory | 15674 | School Of Veterinary Medicine | | | |
| U.S. Public Health Service, Savannah | | Dept. Of Animal Pathology | 15327 | 15328 | 15399 |
| Communicable Disease Center | 15555 | University Of Colorado, Denver | | | |
| U.S. Public Health Service, Washington, D.C. | | School Of Medicine | | | |
| Environmental Health | | Dept. Of Pediatrics | | | 15415 |
| Bureau Of State Services | 15578 | University Of Connecticut | | | |
| Unilever Research Laboratory, Vlaardingen, Netherlands | 15292 | Dept. Of Zoology And Entomology | | | 14840 |
| Union Carbide Research Station, Clayton, N. C. | 15135 | University Of Connecticut, Storrs | | | |
| United Fruit Co., Norwood, Mass. | | Storrs Agricultural Experiment Station | | | |
| Central Research Laboratories | 15117 | Dept. Of Animal Diseases | | | 15301 |
| University Of California, Riverside | | University Of Connecticut, Storrs | | | |
| Dept. Of Nematology | 15272 | Agricultural Experiment Station | | | |
| Universidad de Chile, Santiago de Chile | | Dept. Of Animal Diseases | | | 15333 |
| Facultad de Agronomia | 15145 | University Of Connecticut, Storrs | | | |
| University Of Adelaide | | Dept. Of Animal Diseases | 15339 | 15388 | 15512 |
| Waite Institute | | University Of Connecticut, Storrs | | | 15680 |
| Dept. Of Plant Pathology | 15049 | Storrs (Connecticut) Agricultural Experiment Station | | | |
| University Of Adelaide, South Australia | | Dept. Of Animal Diseases | | | 15332 |
| Waite Agricultural Research Institute | | University Of Delaware, Newark | | | 15010 |
| Dept. Of Plant Pathology | 15205 | University Of Delaware, Newark | | | |
| University Of Arizona | 14996 | Dept. Of Animal And Poultry Science | | | 15346 |
| University Of Arizona | 14997 | University Of Edinburgh | | | |
| Dept. Of Entomology | 14845 | Royal School Of Veterinary Studies | | | |
| University Of Arkansas | | Dept. Of Veterinary Bacteriology And Poultry Diseases | | | |
| Dept. Of Entomology | 14815 | 15368 | | | |
| University Of Arkansas | | University Of Florida | | | |
| Dept. Of Horticulture And Forestry | 15127 | Department Of Entomology | | | 15268 |
| University Of Arkansas, Fayetteville | | University Of Florida | | | |
| Dept. Of Animal Sciences | 15379 | Department Of Veterinary Science | | | 15410 |
| University Of Birmingham | | University Of Florida | | | |
| Department Of Biochemistry | 14914 | Dept. Of Zoology | | | 14966 |
| University Of California, Berkeley | 14878 | University Of Florida | | | |
| 15059 15089 15171 15190 15208 | 15037 | Plant Pathology | | | |
| University Of California, Berkeley | | Plant Virus Laboratory | | | 15028 |
| Dept. Of Biological Control | 15690 | University Of Florida, Belle Glade | | | |
| University Of California, Berkeley | | Everglades Experiment Station | 15530 | | 15683 |
| Dept. Of Insect Pathology | 14964 | University Of Florida, Gainesville | | | 15040 |
| University Of California, Berkeley | | University Of Florida, Gainesville | | | |
| Dept. Of Plant Pathology | 15062 | Dept. Of Animal Husbandry And Nutrition | | | 15297 |
| University Of California, Berkeley | 15141 | University Of Florida, Gainesville | | | |
| Division Of Invertebrate Pathology | 14935 | Dept. Of Plant Pathology | | | 15115 |
| University Of California, Berkeley | | University Of Florida, Gainesville | | | |
| School Of Public Health | | Dept. Of Veterinary Science | 15309 | | 15488 |
| Division Of Epidemiology | 14837 | University Of Georgia | | | |
| University Of California, Davis | 14843 | Dept. Of Entomology | | | 14826 |
| University Of California, Davis | | University Of Georgia, Athens | | | |
| Dept. Of Botany | 15277 | Department Of Plant Pathology And Plant Breeding | | | 15639 |
| University Of California, Davis | | University Of Glasgow, Scotland | | | |
| Dept. Of Nematology | 15260 | Bacteriology Dept. | | | 14929 |
| University Of California, Davis | | University Of Glasgow, Scotland | | | |
| Dept. Of Plant Pathology | 15024 | Veterinary School | | | 15391 |
| University Of California, Davis | | University Of Guelph | | | |
| Dept. Of Pathology | 15018 | Dept. Of Zoology | | | 14902 |
| University Of California, Davis | | University Of Hawaii | | | |
| Residue Research Laboratory | 14930 | Dept. Of Entomology | | | 14963 |
| University Of California, Davis | | University Of Idaho | 15068 | | 15213 |
| School Of Veterinary Medicine | 15432 | University Of Idaho, Moscow | | | 15647 |
| 15432 15433 15448 15449 15450 15487 | 15493 | University Of Idaho, Moscow | | | |
| University Of California, Davis | | Agricultural Experiment Station | 15074 | | 15075 |
| School Of Veterinary Medicine | | University Of Idaho, Parma | | | |
| Dept. Of Avian Medicine | 15425 | Branch Experiment Station | | | 15282 |
| University Of California, Davis | | University Of Illinois | | | |
| School Of Veterinary Medicine | | Botany Dept. | | | 15179 |
| Dept. Of Clinical Pathology | 15299 | University Of Illinois | | | |
| University Of California, Los Angeles | 15507 | College Of Veterinary Medicine | | | |

ORGANIZATION INDEX

| | | | | | |
|--|-------|-------|-------|--|-------------------------|
| College Of Veterinary Medicine Dept. Of Pathology And Hygiene 15453 | 15310 | 15398 | 15417 | University Of Saskatchewan, Saskatoon College Of Veterinary Medicine Dept. Of Medicine And Surgery | 15447 |
| University Of Illinois, Urbana College Of Veterinary Medicine Dept. Of Veterinary Pathology And Hygiene Agricultural Experiment Station | | | 15302 | University Of Sydney, Australia Dept. Of Agriculture | 15020 |
| University Of Kentucky, Lexington | | | 15038 | University Of Texas Medical Branch | 14866 |
| University Of Maine, Orono | | | 15635 | University Of Texas, Galveston Laboratory Of Medical Entomology | 14920 |
| University Of Maine, Orono Animal Pathology Dept. | | | 15691 | University Of Tokyo Faculty Of Agriculture | 14852 |
| University Of Maine, Orono Dept. Of Animal Pathology | | 15500 | 15678 | University Of Tokyo, Japan Faculty Of Agriculture | |
| University Of Manitoba, Canada Dept. Of Entomology | | | 14943 | Dept. Of Veterinary Bacteriology | 15419 |
| University Of Maryland Dept. Of Botany | | | 15206 | University Of Western Ontario Dept. Of Zoology | 14970 |
| University Of Maryland, College Park Dept. Of Microbiology | | | 15384 | University Of Wisconsin University Of Wisconsin | 14851 14858 15137 |
| University Of Massachusetts, Amherst Dept. Of Entomology And Plant Pathology | | | | Dept. Of Entomology | 14875 14886 14947 |
| Shade Tree Laboratories | | | 15626 | University Of Wisconsin, Madison 15642 15650 15652 | 14833 15104 15118 |
| University Of Massachusetts Dept. Of Veterinary Science | | | 15165 | University Of Wisconsin, Madison Department Of Entomology | 14813 |
| Eaton Laboratories, Norwich, N. Y. | | | 15462 | University Of Wisconsin, Madison Dept. Of Plant Pathology | 15084 15100 15187 15193 |
| University Of Massachusetts, Amherst Dept. Of Veterinary Science | 15335 | 15336 | 15421 | 15273 | |
| University Of Michigan Dept. Of Botany | | | 15066 | University Of Zambia School Of Natural Sciences | 15641 |
| University Of Minnesota Dept. Of Plant Pathology And Botany | | | 15160 | University Sub P. O., London, Ontario, Canada Canada Agriculture | |
| University Of Minnesota Dept. Of Biology | | | 15229 | Research Institute | 15162 |
| University Of Minnesota Dept. Of Entomology And Economic Zoology | | | 14942 | Upjohn Company, Kalamazoo, Michigan | 15619 |
| University Of Minnesota Dept. Of Entomology, Fisheries, And Wildlife | | 15284 | 15285 | Utah State University Dept. Of Botany | 15217 |
| University Of Minnesota Dept. Of Soil Service | | | 15613 | Utsunomiya University, Japan Faculty Of Agriculture | |
| University Of Minnesota Institute Of Agriculture | | | | Dept. Of Zootechnical Science | 15303 |
| Dept. Of Plant Pathology And Physiology | | | 15524 | Veterinary Institute, Pulawy, Poland | |
| University Of Minnesota, St. Paul | | 15011 | 15653 | Laboratory Of Swine Diseases | 15307 |
| University Of Minnesota, St. Paul College Of Veterinary Medicine | | | | Veterinary Research Laboratory, Kenya, Africa | 15510 |
| Division Of Veterinary Anatomy | | | 15306 | Victoria, Australia Commonwealth Scientific And Industrial Research Organization | |
| University Of Missouri School Of Medicine | | | 15317 | Division Of Animal Health | 15439 |
| Dept. Of Microbiology | | | 15655 | Virginia Agricultural Experiment Station | 14944 |
| University Of Missouri, Columbia | 15134 | 15211 | 15172 | Virginia Department Of Agriculture, Richmond | 15124 |
| University Of Nebraska Dept. Of Plant Pathology | | | 15625 | Virginia Polytechnic Institute Cooperative Extension Service | 15225 |
| University Of Nebraska, Lincoln | | | 15034 | Virginia Polytechnic Institute, Blacksburg Dept. Of Veterinary Medicine | 15287 |
| University Of Nebraska, Lincoln Dept. Of Plant Pathology | | | 15033 | Virginia Polytechnic Institute, Blacksburg Dept. Of Veterinary Science | |
| Plant Pathology Dept. | | | 15038 | Virginia Agriculture Experiment Station | 15353 |
| University Of New Hampshire Dept. Of Animal Sciences | | | 15358 | Volcani Institute Of Agricultural Research Division Of Fruit And Vegetable Storage | 15069 |
| University Of New Hampshire, Durham Dept. Of Poultry Science | | | 15491 | Waite Agricultural Research Inst., Adelaide, South Australia Dept. Of Plant Pathology | 15648 |
| University Of New South Wales School Of Chemistry | | | 14872 | Washington State Department Of Agriculture, Prosser Research And Extension Center | 15015 |
| University Of Newcastle Department Of Zoology | | | 15254 | Washington State Dept. Of Agriculture, Prosser | 15616 |
| University Of North Carolina North Carolina State University | | | 14892 | Washington State University | 14806 15185 |
| Dept. Of Entomology | | | 14972 | Washington State University College Of Agriculture | |
| University Of Notre Dame Dept. Of Biology | | | | Dept. Of Plant Pathology | 15054 |
| University Of Otago Medical School, Dunedin New Zealand Medical Research Council | | | | Washington State University College Of Veterinary Medicine | |
| Hydatid Research Unit | | | 15516 | Washington Agricultural Experiment Stations Dept. Of Veterinary Microbiology | 15420 |
| University Of Pennsylvania, Philadelphia School Of Veterinary Medicine | 15343 | 15427 | 15443 | Washington State University Dept. Of Plant Pathology | 15064 |
| 15472 | | | | Washington State University Irrigation Experiment Station, Prosser | 15184 |
| University Of Pennsylvania, Philadelphia School Of Veterinary Medicine | | | | Washington State University Western Washington Experiment Station | 15057 |
| Laboratories Of Anatomy | | | 15295 | Washington State University, Pullman | 15077 15163 |
| University Of Purdue Purdue Agricultural Experiment Station | | | 15627 | Washington State University, Pullman Dept. Of Veterinary Science | |
| University Of Rhode Island Dept. Of Plant Pathology-entomology | | | 15632 | Washington Agricultural Experiment Stations Washington State University, Wenatchee | 15393 |
| University Of Rhode Island Rhode Island Agricultural Experiment Station | | | 15101 | Tree Fruit Experiment Station | 15244 |
| Dept. Of Plant Pathology-entomology | | | 15347 | Wellcome Research Laboratories, Kent, England | 15469 |
| University Of San Marcos, Lima Peru School Of Veterinary Medicine | | | | West Virginia University Dept. Of Microbiology | 14814 |
| | | | | West Virginia University, Morgantown | 15615 15620 |
| | | | | West Virginia University, Wardsville Dept. Of Animal And Veterinary Science | |
| | | | | Reymann Memorial Farm | 15383 |
| | | | | Western Washington Experiment Station, Puyallup, Wash. | 15394 |
| | | | | Wisconsin State Dept. Of Agriculture | |
| | | | | Wisconsin Animal Disease Diagnostic Laboratories | 15408 |
| | | | | Wisconsin State Dept. Of Agriculture | |

Wisconsin Animal Disease Diagnostic Laboratory

ORGANIZATION INDEX

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